

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: David Giles <vk5anb@dove.net.au>
Subject: [17686] 18S
Message-ID: <3356EB3F.20B113FE@dove.net.au>

Hello everyone,

Just a thought about converting a 38s for 18MHz. A simple start might be to change the 12MHz IF to 4MHz.

i.e. $22.1\text{MHz (VXO)} - 4\text{MHz} = 18.1\text{MHz}$

This will put it into the top part of the CW half of the band (18.10-18.11 MHz). Then experiments on filter values, toroid turns, various brands of 74hc240 that will work well at 18MHz, power amps (I have heard different stories on whether IRF510 FETs work or not above 10MHz) etc.. can be made by the more experimentally inclined amongst us.

Just my 20mW worth.

72s de David VK5ANB

Looking forward to getting my 38S kit. Soon those in the states will have another DX 38s to listen out for. What's it like being rare DX?

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: "Genevieve A. Winkler" <GDWinkler@compuserve.com>
Subject: [17667] 38S AF filter tuning
Message-ID: <199704180208_MC2-1482-2190@compuserve.com>

Hi Gang,

While playing with my computer model of the 38S audio chain, I experimented with the value of R22 (390 ohms). It tunes the AF filter!

I did not post because I didn't trust the model. Now that I have breadboarded the audio amp, I have confirmed that varying R22 does indeed change the filter's center frequency.

As R22 is increased, F_o goes down. As R22 is raised, F_o goes up. I would suggest changing C35 and C36 to 0.068uF. Then remove R22. Put a 220 ohm resistor in at the "hot" end hole of R22, and some wire to a 1k pot on your panel from the other end of this 220 ohm resistor. Run

another wire from the "cold" (ground) end of the R22 spot to the pot. Watch out for stray rf- I'd twist these wires together.

Simple. It will work. Of course, it does not change your transmitter offset, so you won't necessarily be transmitting on the other guy's freq when you have him tuned in for loudest note...

Use at your own risk, mileage may vary, not associated in any way, etc, etc, etc.

Dan Winkler N7IVR Seattle, WA

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: k7sz@juno.com (Richard H. Arland)
Subject: [17670] 4 Days In May
Message-ID: <19970418.092727.6503.0.k7sz@juno.com>

Could someone provide me with the e-mail address of the individual who is in charge of the speaker's forums for the 4 Days In May?

Tnx

rich K7SZ

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: Jim W7LS <w7ls@brigadoon.com>
Subject: [17669] 49er vfo, anyone??
Message-ID: <199704180740.AAA13409@olympic.brigadoon.com>

Anyone out there make up a vfo for the 49er? How about one it for 80?

73 de Jim, W7LS

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: goose@imt.net (mal goosey)
Subject: [17664] 50/40/30
Message-ID: <199704180417.WAA00705@cu.imt.net>

Did you ever have the feeling that nature was conspiring to give you a bad

time? About an hour before I was to make my appearance on 30m, I tuned in WWV to find that the "A" index was 22 (not a good sign). Nevertheless, some of you managed to find me, for which I am grateful. I only worked one station on the east coast (VA on 30m). Then to top it off, we had our "first of the season " rain showers (its been snow up to now), with some terrific precip static. In spite of all this, I only lost 2 stations (that I know of). I will post the results tommorrow. 14 Q's on 30m and only 11 on 40.

Regards, Mal Goosey N7GS Bozeman, MT

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: goose@imt.net (mal goosey)

Subject: [17699] 50/40/30 Results

Message-ID: <199704181650.KAA07358@cu.imt.net>

Here are the preliminary results for MT 504030 "battle with the elements" last night. Please e-mail any corrections to me as soon as possible. 30 meters was much better from an operating point of view, I didn't have to move much at all and the precipitation static had not yet started. 40 meters, on the other hand, was much noisier and crowded (had to move many times). I enjoyed the challenge however, and hope I worked all (most) of you who tried.

30 METERS

00:04	WA8LCZ	449	MI	RON	5W
00:07	WD4MSM	429	IN	BARRY	5W
00:10	K5ID	559	AR	KEN	5W
00:14	KM7W	339	TN	MARTY	4W
00:21	KF6CTA	449	CA	DICK	4W
00:34	N5ALO	439	TX	BILL	5W
00:38	AE8T	559	OH	JOE	250MW
00:42	KR0I	229	MO	MAC	5W
00:59	W9YWK	599	WI	RON	?
01:02	W6EMD	559	CA	DAVE	2W
01:24	AA5EA	559	TX	WALLY	5W
01:32	N8CW	339	OH	BOB	2W
01:49	N4UY	229	VA	JAKE	5W
01:54	KT3A	229	PA	CAM	5W

40 METERS

02:19	KR0I	579	MO	MAC	5W
02:27	AB5UA	339	OK	CLIF	5W
02:30	WD4MSM	339	IN	BARRY	5W
02:34	WA8LCZ	349	MI	RON	5W
02:37	W6EMD	579	CA	DAVE	5W

03:08	WE6W	569	CA	EN	5W
03:15	AB6QL	579	CA	ED	3W
03:18	K5ID	579	AR	KEN	5W
03:36	KE6QXJ	599	CA	MARCUS	5W
03:40	KI7MN	339	AZ	BOB	5W
03:55	WB5UMT	549	MS	JACK	?

72/73 Mal Goosey N7GS I will qsl thru the USA QSL Buro.
goose@imt.net

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: Conard Murray <ws4s@InfoAve.Net>
Subject: [17658] 50/40/30 summary from TN Finally!
Message-ID: <2.2.32.19970418025518.00c93270@infoave.net>

Hi gang,
Sorry for the delay. Here are the results of last Thursday's 50/40/30 activity from WS4S/TN.

On 30 meters:

WA1QVM	569/559	MA	Joel	4W
WA8WAK	579/579	VT	Chris	20W
KR0I	569/579	MO	Mac	5W
K5ID	589/589	AR	Ken	5W
N2JJ	559/579	NY	Jim	
WD3P	439/449	MD	Larry	300mW
W9KI	589/599	AR	Howard	5W
W5TVW	579/559	LA	Sandy	5W
NG0M	569/559	NE	Chuck	4W
KN0Z	579/579	MN	Gary	5W
W0TO	589/589	CO	Tom	200W
KE4YH	559/559	FL	Stew	5W
N5CLU	569/559	KS	Steve	2W
KI7MN	339/559	AZ	Bob	5W
VE1LR	559/559	NS	Dick	1W
KE2EH	569/599	NJ	Mike	35W
WZ2T	549/229	NY	Rick	5W
K3QIO	569/579	DE	Jim	5W
K5JS	559/559	LA	John	5W
W5UXH	589/549	NM	Chuck	40W
W6JHB	569/459	CA	Jim	4W

On 40M:

WB4EXW	589/589	NC	Watson	5W
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KR0I	449/449	MO	Mac	5W
K8CV	569/569	MI	Walt	2W
WZ2T	559/559	NY	Rick	5W
AA9TC	589/599	IL	Nick	100W
N4ROA	559/579	VA	Dan	1W
K9UJ	589/579	IL	John	100W
KS4HQ	579/579	NC	Bob	5W
W5FN	559/569	TX	Tim	5W
NF0R	559/569	MO	Dave	5W
W9JNM	559/559	IL	Bob	
WB4PDD	569/569	SC	Buddy	10W
NA4G	589/589	NC	Bob	

21 QSO's for 17 states and 1 DX on 30
 13 QSO's for 9 states on 40

Gear:

Collins TCS transmitter throttled back to 5W with Hammarlund SP-600 receiver for first hour on 30. Rest of time with Alinco DX-70 @ 5W.

30 was hopping for the first hour and a half and slowly went longer and died out. 40 was so-so at first, but went flat after an hour. My contact with NA4G vaporized in mid-exchange. I thought his rig died, but the band closed that quickly.

Thanks to all who dropped by for a short exchange. It was a great evening for me for sure. If anyone still needs TN for 2X QRP I will be glad to set up a schedule. I am thinking about an expedition to KY too, so let me know if you need that state as well.

72,

de Conard WS4S

- - - - -

Conard Murray WS4S Glowbugs listowner ws4s@infoave.net
 217 Dyer Avenue Cookeville, TN 38501 615-526-4093
 Member Arizona ScQRPions QRP-L #993 Friend to anything TCS or GRC-19
 <>< Wise men still seek Him ><>
 WIMPS: Qs=021 30m=21 17m=0 12m=0 States=17/00/00

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
 From: Paul Stroud <aa4xx@amsat.org>
 Subject: [17729] 80M KL Net this Sunday

Message-ID: <3357EC8F.2017@amsat.org>

Hi Gang,

We hope to hear you on the KnightLite's 80M Roundtable this coming Sunday night, beginning at 9:30PM local time (That's 0130Z Monday for our DX friends). The frequency is 3686.4 KHz plus or minus QRM. Last Sunday night we ended up 1 KHz low due to QRM, so you may need to scout around a little to find us. Listen for the KL Club call, WQ4RP.

Check-ins are welcome at any code speed, running any amount of power--QRO or QRP. I'll be NCS for this session, followed by WJ4P next week.

72,
Paul AA4XX

P.S. Hey MI QRP Club, nice club call you got there--WQ8RP!!

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [17732] Adding test probe pick-off
Message-ID: <3358e9f0.164975513@smtp.usit.net>

I have an MFJ model "MFJ-260" dry dummy load, and I thought I'd add a pickoff circuit for attaching scope or RF probe or freq. counter, etc.

I understand that really, all I need is a capacitor (around 0.1 mF disc or so) tapping the positive lead. I'm planning on tapping at the + attachment point for the resistor, but could go to the center of the S0-239 if preferred ...

I found two "banana jacks" at Radio Shack that (conveniently) fit into the air vents on top of the case. I know that the positive lead should be insulated from the case (I am learning these little tidbits ...). If I insulate one of the vents with electrical tape, would that provide adequate insulation for the positive lead? What would be the expected power-level breakdown (IOW, could I use this set-up at QRO levels, up to the limit of the Dummy Load -- 300 watts?)?

Or, do I need to consider drilling, insulating, etc. new holes?

Since the vents were there, thought "how convenient!" But don't want to destroy anything in the process of using it!

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: KFGlynn@aol.com  
Subject: [17706] Anyone use Magnetic Radiators/Multiple-Us Ant?  
Message-ID: <970418135609\_672889389@emout02.mail.aol.com>

Hi gang,

I read an interesting article in the ARRL Ant Compendium Vol 2 on Magnetic Radiators-Low Profile Paired Verticals for HF by Russel E. Prack, K5RP.

It describes an antenna that consists of paired vertical radiators made from wire that does not require ground radials or loading coils. It has a very small profile. Was wondering if anyone has any experience with this type of antenna. It sounds almost too good to be true for it's size and not needing ground radials.

72 Kevn N2TO

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [17675] ARCI Spring QSO Party  
Message-ID: <199704181341.JAA21501@mh004.infi.net>

Dear Peter, G3XJS,

Last evening I sat down and completed QSL cards to contacts made during the Spring ARCI party. I'm working on W.A.S. and DXCC.

Afterward, I picked up the Spring issue of SPRAT which had just arrived. While reading your column I noticed some familiar Calls. Sure enough, a U.K. card I had just filled out was to G3XJS! You also mentioned OK1DZD, one of my QSOs during the Fall ARCI Party.

Being able to picture the real people behind the calls is an exciting dimension to Ham Radio, especially when those real people are in another country. So thanks for adding that dimension to the ARCI contest.

My log includes G4UZE and G4ELZ as partials, because QSB got us before I could copy their power or ARCI no. Perhaps you can let them know their efforts were much appreciated, also.

Incidentally, I was using a NW20 rig with a G5RV at about 55 ft.

CUL,

Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. - Benny Hill  
WIMPS: Qs=001 30m=1 17m=0 12m=0 States=01/00/00

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: ar989@detroit.freenet.org (Joseph M. Marrah)  
Subject: [17701] AT11 at dipole feedpoint  
Message-ID: <199704181706.NAA10292@detroit.freenet.org>

Has anyone tried using one of the LGD autotuners at the feedpoint of a dipole? I am wondering what the frequency coverage would be with a 40 meter dipole.

Joe  
N8JM

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: k7sz@juno.com (Richard H. Arland)  
Subject: [17671] ATE JAPAN - Where R U?  
Message-ID: <19970418.092727.6503.1.k7sz@juno.com>

Talk to me Tim!

73 rich K7SZ

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: duane <duane@flinet.com>



Subject: [17659] chat room  
Message-ID: <01BC4B87.C8F50420@pm10-33.flinet.com>

Hey if anyone is interested in trying out my under beta test chat room  
Go to [http://www.flinet.com/~duane/Chat/chat\(1\).html](http://www.flinet.com/~duane/Chat/chat(1).html)  
I'll be logged in under the room titled radio just enter your call or  
Name select radio and hit enter. See ya there  
duane@flinet.com  
<http://www.flinet.com/~duane> my homepage  
<http://www.flinet.com/~duane/ham/ham.html> my ham radio page  
ab4be@amsat.org second mail address  
Qrp-L # 710

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Larry East <w1hue@amsat.org>  
Subject: [17725] Colorado has no trees??  
Message-ID: <2.2.16.19970418212236.30278f26@eloi>

>> I need to plan some trees (This is Colorado, we have no natural trees).  
>  
You must be in Eastern CO!!

>From another posting:  
>

>\* Colorado Spruce: - can grow to be giants but take a bit longer.  
>

The previous owner of my property planted a row of Colorado Spruce for a  
wind break -- that was about 10 years ago and the suckers are now a whopping  
5 to 7 feet tall! Lets see ... should be about 100 feet by the year 2057 or  
so! :-)

Gud luk, L.  
(QTH: SE Idaho)

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Stew Whitehouse <STEW\_W@compuserve.com>  
Subject: [17703] Contest logging software  
Message-ID: <199704181332\_MC2-1486-E0CE@compuserve.com>

Hi folks,  
I think I have decided to purchase a real Contest logger.

I used WB2QAP's Logger during last weekends fray and it worked fine. Problem with Logger is there doesn't seem to be a way to work with the data files when the contest is over. I now must manually enter the contest qso's into a data base so I can sort them for the required dupe sheet, electronically forward my entry to Cam, and then load the data into Hyperlog for QSLing and posterity. Sooo, to the point, My Ham computer is a 286/16 machine and I have narrowed my software search to TR or NA. Now I would like to hear from the QRP-Lers the pros and cons of these two programs for use in the various QRP contests.

Thanks and 72 Stew ke4yh  
Dunedin, Florida

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
Subject: [17708] Contest photo's  
Message-ID: <2.2.16.19970418181943.0af73ae8@popd.ix.netcom.com>

If anyone is interested in pictures of contesting from Colorado and Wyoming field locations, I have some photo's on my web site. I also have ftp links to my Miniprop atlas files (all versions of Miniprop), and the QRP contest setups for use with LOGic-4 logging software.

There are also schematics of an optically-isolated cw keying interface for use with 'CT' and LOGic-4.

The address is at the end of this message..

73 -- Glenn

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"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--  
<http://www.qsl.net/ae0q>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [17726] Dayton Building Contest Prizes  
Message-ID: <3.0.1.32.19970418142704.006ccb38@telis.org>

Ok, guys here it is. The announcement of the prizes for the 1997 NorCal

Dayton Building Contest. This year there are 3 divisions or categories.

38 Special Kits: 3 Prizes - Rainbow Tuner Kits provided through the gracious donation of the New Jersey QRP Club.

Rainbow Tuner Kits: 3 Prizes - 38 Special Kits provided by NorCal.

Combination 38 Special/Rainbow Tuner in same enclosure: 3 Prizes - TiCK-2 Memory Keyer Board Kits, provided by the guys from Embedded Research, Gary Diana and Brad Mitchell.

Judging will be Saturday Night, May 17th at Dayton at the QRP Hospitality Suite sponsored by ARCI. Chuck Adams, K5FO is in charge of the judging, and will be assisted by two hand picked judges deemed suitable by Chuck. This is the 3rd Annual contest and is a lot of fun. Hope to see you there.

(By the way, thanks to Joe Everhart who brought up the subject of a combination category, I hadn't thought of it, but I am sure that there will be entries).

Also, don't forget that Roy Lewallen, W7EL, will be the speaker for the NorCal open house Thursday night of FDI. No charge, everyone is welcome. 7:00 PM, in the Centerville Room of the Day's Inn Dayton South.

Now if someone would just post the weather forecast for Dayton, I would feel that it is getting close to FUNTIME!!! 72, Doug, KI6DS

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: "Mark S. Adams" <msadams@acsu.buffalo.edu>

Subject: [17639] Envirotronics Paddles

Message-ID: <Pine.GS0.3.95.970417203535.13015A-100000@autarch.acsu.buffalo.edu>

Hi Gang,

Many wanted the address for Envirotronics. They are nice paddles for the money and I hope that Gene is still in business.

Envirotronic Inc.  
526 Silver Lake Road  
St. Paul, MN 55112  
Phone/fax 612-633-8551

If someone calls him please post his status to the list.

72, Mark N2VPK

Member of the Buffalo QRP Connection

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Balz <NCBAET@Dili.wasantara.net.id>  
Subject: [17654] Florescent Tube Interference.  
Message-ID: <3E7AA234B7@DILI.WASANTARA.NET.ID>

Florescent Tubes and their associated Interference are in 137% of all rooms here.

I'm looking for your Hints, Kinks and experience on how to eliminate or at least significantly attenuate the noise.

Replacement by incandescent fixture is probably the most effective but least practical solution.

I will summarize Hints / Experiences received direct to:  
WC3L / YB9 <NCBAET@Dili.nusantara.net.id>

Thanks and 73,

John Balz  
WC3L / YB9  
East Timor

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
Subject: [17711] For Sale:Noise Bridge, misc other  
Message-ID: <2.2.16.19970418184046.199f6924@popd.ix.netcom.com>

For Sale:

MFJ-202B R-X Noise Bridge, with 3 calibrated test loads, copy of  
1989 QST article "Improving and Using R-X noise Bridges" \$40  
(shows vector of reactance, C or L, which MFJ Analyzers can't do)

MFJ-931 Artificial Ground, new-in-box, never used \$45

Kantronics KPC-3 TNC (Ver 5.1), manual, box, various software \$95

Snappy 'Video Grabber', new-in-box, all software incl; make photo's  
for your web pages from home videos! \$125

Glenn (Denver, CO)

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"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--  
<http://www.qsl.net/ae0q>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: TMOLL@aol.com  
Subject: [17717] Frivolous Postings  
Message-ID: <970418161459\_-1635405101@emout06.mail.aol.com>

I hope this hasn't already been posted here. I received it on a totally unrelated (non-ham radio) list I subscribe to. I also hope that it is not too frivolous itself to post - it should make one pause for thought before just pounding out your (or my) next frivolous post. Besides, I got a few badly needed belly laughs out of it !

> Q: How many internet mail list subscribers does it take  
> to change a light bulb?  
>  
> A: 1,331:  
> 1 to change the light bulb and to post to the mail  
> list that the light bulb has been changed  
> 14 to share similar experiences of changing light  
> bulbs and how the light bulb could have been  
> changed differently.  
> 7 to caution about the dangers of changing light bulbs.  
> 27 to point out spelling/grammar errors in posts about  
> changing light bulbs.  
> 53 to flame the spell checkers  
> 156 to write to the list administrator complaining about  
> the light bulb discussion and its inappropriateness  
> to this mail list.  
> 41 to correct spelling in the spelling/grammar flames.  
> 109 to post that this list is not about light bulbs and  
> to please take this email exchange to alt.lite.bulb  
> 203 to demand that cross posting to alt.grammar,  
> alt.spelling and alt.punctuation about changing  
> light bulbs be stopped.  
> 111 to defend the posting to this list saying that we  
> are all use light bulbs and therefore the posts

>       \*\*are\*\* relevant to this mail list.  
 >       306 to debate which method of changing light  
 >       bulbs is superior, where to buy the best light bulbs,  
 >       what brand of light bulbs work best for this  
 >       technique, and what brands are faulty.  
 >       27 to post URLs where one can see examples of  
 >       different light bulbs  
 >       14 to post that the URLs were posted incorrectly, and  
 >       to post corrected URLs.  
 >       3 to post about links they found from the URLs that  
 >       are relevant to this list which makes light bulbs  
 >       relevant to this list.  
 >       33 to concatenate all posts to date, then quote  
 >       them including all headers and footers, and then  
 >       add "Me Too."  
 >       12 to post to the list that they are unsubscribing  
 >       because they cannot handle the light bulb  
 >       controversey.  
 >       19 to quote the "Me Too's" to say, "Me Three."  
 >       4 to suggest that posters request the light bulb FAQ.  
 >       1 to propose new alt.change.lite.bulb newsgroup.  
 >       47 to say this is just what alt.physic.cold\_fusion  
 >       was meant for, leave it here.  
 >       143 votes for alt.lite.bulb.  
 >  
 Tom Moll, NoBS

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
 From: Roger Hightower <n7kt@dancris.com>  
 Subject: [17635] FS: NC40A, HW-9, 49'er, etc.  
 Message-ID: <3356AE26.6CED@dancris.com>

Well, the XYL says I need to get rid of some of this stuff if I want to get more stuff, so here's the list:

NorCal 40A with KC-1 keyer/counter. Built, works fine, original NorCal Club kit, case unpainted. 10-turn precision pot for tuning. Includes manuals. \$125.00 shipped.

Heath HW-9 with WARC kit installed, HFT-9 Tuner, HM-9 Wattmeter, excellent condition. Manuals for HW-9 and HM-9. \$300.00 shipped.

NorCal Cascade with speaker mike, 20 & 75M SSB. Manual. \$200.00 shipped.

NorCal 49'er, built, in Altoids tin. \$25.00 shipped.

OHR DD-1 Digital Display with cable, manual. \$45.00 shipped.

If interested, e-mail direct, please.

73...Roger, N7KT

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72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj

NorCal 40-9er, NC38S, NC-40A, Cascade, Sierra, OHR400, HW-9

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Bob Hirsch <bobh@p3.net>

Subject: [17660] FS: headsets, filters,, microphones, TNC, & artificial ground

Message-ID: <3.0.1.32.19970417234218.006a7510@p3.net>

Spring Cleaning -- the following items are on the block:

MFJ -931 Artificial Ground....."like new" condition, orig box &  
documentation...\$ 40

Azden DM-10 headphones.....excellent  
condition.....\$ 30

Azden HS-03 headset w/ boom mic.....excellent  
condition.....\$ 35

Sennheiser 414 very light weight headphones.....excellent  
cond.....\$ 40

Heil BM-5-4 headset (This is the one-sided BM10 with an HC-4 element in  
it).....\$ 30

Radio Shack DSP filter with orig box &  
documentation.....\$ 25

Autek Research QF-1a audio filter.....excellent cond. with  
documentation.....\$ 35

Heil HC-4 element only (new in  
container).....\$ 20

Heil DM-10 dual microphone (both elements;switchable..with orig carry case  
and

Ten-Tec adapter cable).....\$ 85

Shure 444D Microphone...mint cond.....original box and  
documentation.....\$ 55

Very large DPDT knife switch (This is the one from Nebraska surplus 8" x  
4".....\$ 25

KAM+ multimode TNC by Kantronics, ver 8.0 firmware, mint condition,  
orig box & documentation.....\$ 225

All prices listed include shipping.  
PLEASE direct e/mail responses, not on the list.

=====

73 de Bob, W3CW  
New Hope Pennsylvania

qr-l #450  
qrp-arci #8700  
fists #2491

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Gregory J. Buhyoff" <buhyoff@vt.edu>  
Subject: [17730] FS:Timewave 599zx DSP  
Message-ID: <199704182152.RAA17502@sable.cc.vt.edu>

Timewave 599zx DSP unit. Perfect cosmetic and electronic condition. Works  
fabulously. Original owner. About 10 weeks old. Why am I selling? Well,  
I just got the OMNI VI plus DSP upgrade for my OMNI VI and it works every  
bit as good as the 599zx. So, I just don't need it anymore. Original box,  
manual and I'll even throw in 3 high quality cables for it. Save \$100. I  
will ship it UPS for \$270.

Call 540-951-4097 before 9pm (eastern) or e-mail Buhyoff@vt.edu

73, Greg K2UM

Gregory J. Buhyoff



Julian Cheatham Professor  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Phone: 540-231-5148

E-mail: Buhyoff@vt.edu

FAX: 540-231-3698

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17736] FS:Timewave DSP-9  
Message-ID: <Pine.BSF.3.95.970418182703.9065J-100000@uhf.wdc.net>

Timewave DSP-9 DSP audio filter. Good electric/cosmetic condtion.  
Haven't used it for ages. Only operate portable and don't like dragging  
extra equipment along.

Yours for \$125 shipped (including manual).

73/72

Bernie nu1s

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bigbob97@aol.com  
Subject: [17673] Fwd: SGCMKTG@aol.com: Thank you  
Message-ID: <970418085638\_-1702583543@emout19.mail.aol.com>

Thought this might be of interest to the group. Notice how many QRP+ rigs  
are listed for sale recently? 73, Bob WB2DHK

-----

Forwarded message:

Subj: Re: SGCMKTG@aol.com: Thank you  
From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
Subject: [17679] Happy Anniversary  
Message-ID: <199704181400.PAA01324@chuck.dallas.sgi.com>

To the QRP-L group/club at large.

April marks the fourth anniversary of this group.  
For those interested in numbers and complaining  
about the traffic. :-)

| Year  | Bytes      | Number of Postings |
|-------|------------|--------------------|
| 1993  | 4,836,891  | 4,128              |
| 1994  | 10,396,937 | 8,790              |
| 1995  | 20,589,822 | 12,357             |
| 1996  | 39,566,530 | 20,743             |
| 1997- | 18,151,888 | 9,619              |

So it looks like the doubling per year is holding up.

Current subscribers in excess of 1,800 members.

FYI

I thought we might keep about 40 people going at the  
start. Shows you what can happen.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

[http://reality.sgi.com/employees/adams\\_dallas/](http://reality.sgi.com/employees/adams_dallas/)

WIMPS: Qs=026 30m=21 17m=5 12m=0 States=17/05/00 DX=02/00/00 QSLs=005

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: QLF@mimi@magic.itg.ti.com

Subject: [17713] HARLEYS, MENSA, DRIP PANS, ETC, ETC, ETC, ETC, ETC, ETC, ETC, ETC, . .

Message-ID: <9704181909.AA08323@itg.ti.com>

From: Brad Bradfield QLF

Subj: HARLEYS, MENSA, DRIP PANS, ETC, ETC, ETC, ETC, ETC, ETC, ETC, . . .  
. . .

Dana Myers wrote:

>Vic Rosenthal wrote:

>> Cecil A Moore wrote:

>> <snip>

>> > I suggest that potential hams be required to <snip>  
>> > own a Harley <snip> and be a member  
>> > of Mensa.

>> Do I sense an oxymoron here?

>I don't think so. However, I'd probably say that owning a Harley isn't  
>enough - the Harley must actually start.

>;-)

>Dana

But does the Harley have to still have it's factory original drip pan?

72's es 73's,

Brad, WB0CGH

P.S. - My wife says I can have the Harley when she get's the Vette.

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: talljazz@teleport.com (Dan Presley)  
Subject: [17668] How 'bout some history?  
Message-ID: <v01530503af7cbf028e71@[206.163.124.204]>

I'm offering a few quotes from a magazine pulished in June 1934-"Short Wave  
Craft" (by the prolific Hugo Gernsback). The "Letters" column topic is  
!!!"No Code Test Below 5 Meters"!!!

1."Sticking to the present exams is like believing in the future of the  
horse, in fact there isn't any future in it!(Funny that this was before  
WWII)Where would television be if code was still in use?"

2."Another thing that I belive that if the FRC (precursor to FCC) were to  
let the hams get on the air on 5 meters without knowing code,that they  
would live up to their end of the agreement and not venture out of band"

3."A good radioman should know every sound coming from a horn (old speaker)  
or pair of 'phones! Otherwise, he isn't a radioman. Do you realize that  
every schoolboy in Japan knows the code? (stiil true?) I am in favor of  
code and not a lot of "gas-bag artists!" Chief operator-WPEH Police Radio  
station, Somerville, Mass

October 1933-

on removal of code test-"If the bars were let down, it would not be long  
before the bands would be so crowded with beginners that the regular ham  
would not have room to handle his traffic"

"There would be a great deal more experimenting below 6 meters here in college, if it were not for the code test"-W9GJE Dep't of Physics Western Kentucky Teachers College

"The CW Bugs in this town develop terrific thumps, snaps & crackles (not qrp!) in the BC sets while the phone men are rarely ever guilty of minor disturbances-anyone can rig up an oscillator and 'zig-zag' out into space"  
J.O. Roberts, St. Louis, Mo

Thought I'd share these fresh arguments with you all-The king is dead;Long live the King!

Dan N7CQR

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
Subject: [17702] Island Keyer Docs  
Message-ID: <199704181706.LAA22722@lynx.csn.net>

Was it one of you guys who called and asked for a copy of the Island Memory Keyer schematic and parts overlay? If so, please send me the name and address because I seem to have lost my note.

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Kr0i1@aol.com  
Subject: [17651] Looking for TenTec QRP Rig  
Message-ID: <970417220219\_-1836826821@emout09.mail.aol.com>

Looking for a TenTec Argonaut II, 525, 515 or 509. Only interested if rig is in excellent condition cosmetically and operationally. Will buy or consider trade for Kenwood TS-850S with full filter complement. Please reply direct to kr0i1@aol.com

72 es 73 de Mac KR0I QRP ARCI 3227 QRP-L 1037

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17661] looking for wa8txt.  
Message-ID: <199704180408.AAA05540@uhf.wdc.net>

Calling WA8TXT. If you are listening please drop me a line.

Thanks.

73

Bernie  
nu1s

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: kf2ph@juno.com (Nick Franco)  
Subject: [17666] Message for Paul - AA4XX  
Message-ID: <19970418.004244.9974.2.kf2ph@juno.com>

Sorry for the use of the list, but misplaced Paul's address. Hit delete now!

Paul

Sorry for the late notice. I will be leavine Saturday morning about 6:00 am and driving down. Don't know exactly when I'll be in your area. Email me with the rest stop on Rte 95 to get off on.

I will have my HT with me but only the rubber duck antenna (fiber glass roof on the van). Send me a reapeater freq. or something. Otherwise I'll call you on 146.52 when I'm in the area.

Send email to my work address if you get this in time. kf2ph@bnl.gov

I'll try to check mail here on kf2ph@juno.com tomorrow night as a last resort. I'm postponing the qrp-l list for the week so don't reply to this message. Send mail to me personally.

Hope to see you Saturday

72

Nick

--

Nick Franco <>< KF2PH/qrp  
QRP-L # 13 NE-QRP # 349 ARS # 128 LIQRP

Minister of Music - Church of the Nazarene  
BSA Troop 543 Chairman - ADC Trailblazer Dist.

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17716] MFJ 422B, and A&A 30 Meter QRP rig for sale  
Message-ID: <Pine.BSF.3.95.970418155337.8611B-100000@uhf.wdc.net>

Hi:

Selling:

MFJ Model 422B Iambic keyer. Bought new for \$140. Not used much. Make me an offer.

A&A 30 Meter QRP rig. Good working condition. Slight solder melt in back of S-Meter (slipped soldering iron while building). Includes case/docs. Kit went for \$169. Asking \$130.

Bernie

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17739] miniaturized 30 Meter transceiver kits.  
Message-ID: <Pine.BSF.3.95.970418183859.9177A-100000@uhf.wdc.net>

Hi Gang:

Called Bob at Wilderness Radio today. He told me the SST shipments are quite delayed and he'll be updating the Wilderness web page soon.

The \$69 deal will be extended till June 1. He's pretty confident he'll be shipping then.

SO: I have a little longer to make up my mind.

Do any of you know of other kits that are available NOW that are the same size as the SST-30 or smaller?

Bernie nu1s

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bill Myers <bjmyers@arc.net>  
Subject: [17636] Morse Preservation Society, AKA, FISTS  
Message-ID: <1.5.4.16.19970417182620.1eb7adf0@mail.arc.net>

-----\_861326780==\_  
Content-Type: text/plain; charset="us-ascii"

At 02:28 PM 4/17/97 +0100, Chuck Adams wrote:

>  
>Gang,  
>  
>There already exists an International Morse Preservation Society called  
>CW Fists Club.  
  
>Membership is \$15/year to Nancy Kott, WZ8C, PO Box 47, Hadley, MI.

This fee is for North American members.

Attached/included is the background information on this organization found on G0TIP's homepage. I am sending it to the reflector because so many of you have made reference to the organization here.

The North American homepage, <http://n9nvv.qrp.com/~fists> has much more information, membership lists, member pictures, applications, etc. Please visit it.

-----\_861326780==\_  
Content-Type: text/plain; charset="us-ascii"

Fists CW Club

The International Morse Preservation Society

FISTS exists to promote amateur CW activity. It welcomes members with all levels of Morse proficiency, and especially newcomers to the key. The club has awards, nets ( including a beginners' net ), dial-a-sked for beginners, straight key activities, QSL bureau, newsletter, and discounts from traders.

Further information can be obtained from: Geo Longden, G3ZQS,  
119 Cemetery Road, Darwen, Lancashire, England, BB3 2LZ.

Send a s.a.e. or two IRCs.

if you live in North America and require information please contact:  
Nancy Kott WZ8C, Post Office Box 47, Hadley MI 48440-0047.

or to go to USA Web page <http://n9nvv.qrp.com/~fists>

---

## The International Morse Preservation Society

Fists CW Club was formed around 1987 by George Longden, G3ZQS and exists to promote and preserve Morse code for amateur use. Many amateur's having passed their Morse test are still to nervous to actually go onto the air and have a live qso on the HF bands.

Fists members can easily overcome this problem by using the club's "Phone-A-Sked" service.

Membership fees are very modest compared with other organisations, and all members have access to a well-run QSL bureau. There is a monthly newsletter and some special discounts for club members from selected dealers. Membership is now about 1500 which includes a large group in America.

The following is an extract from George Longden's literature,

### "A POTTED HISTORY OF THE CLUB."

"The interest in Morse by newly licensed Amateurs has gladdened the heart of many of our more experienced members. Newcomers were steered gently away from some of the less salubrious operating practices which, sadly are still common enough, and it is made plain to all that good manners and consideration for others are expected.

We demand no minimum speed or membership of any National Society; indeed, the only requisite for membership is a LOVE of MORSE.

Morse is the most space conservative of all modes , demanding many times less band width than with any other. Language differences become far less of a problem in Morse than in telephony by reason of a host of "Q" codes and common abbreviations.

You will find a comaradie amongst its devotees which is absent in other modes. The QSL return rate for c.w. contacts is unquestionably greater than for SSB etc. and until it has been experienced, the sheer satisfaction of a c.w. QSO is difficult to describe. Suffice it to say that an overwhelming majority of those who have become even moderately adept in its use tend to prefer it for 90% to 100% of their Amateur Radio activity.



FISTS is peopled by those whose affection for the mode fosters the urge to preserve it in the face of those who, not understanding the joy and satisfaction to be had from it's use, seek to replace it with techniques that fall far short of its efficiency and simplicity .

Amateur Radio is firmly anchored to the practice of communication by the International Morse Code from the very beginning of its history and with the help of yourself and others like you, it will always remain so."

Enquires with S.A.E. please to the respective address at top of page.

--=====861326780==\_  
Content-Type: text/plain; charset="us-ascii"

--  
Bill Myers      KK4KF      Grid - EM60rk  
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42  
CQC#386 NE#508 AK/QRP#081  
Snail Mail      P. O. Box 178 Shalimar, FL 32579  
e-mail           <bjmyers@arc.net>  
homepage <http://www.nfds.net/~bmyers/>  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

--=====861326780==\_--

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [17652] Morse Preservation, FISTS, OPERATE!!!!  
Message-ID: <8D6147A.00040024C9.uuout@cheaha.com>

-> FISTS #1716  
->  
-> Support any organization that helps you.  
->  
-> Also to add to the flame war. Get on the air and practice your  
-> Morse. Use it or lose it.

Amen, Chuck, amen.

72/73  
Ed Welch KF4KRV  
NorCal Member #???  
1st Grand Poobah ScQRPion of Alabama

QRP-L #873 - FISTS #2964  
Luverne, Alabama  
Crenshaw County - Grid EM61

+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+

> Isn't "time" a 4-letter word? <

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Brent Alexenko <alexenko@prairie.nodak.edu>  
Subject: [17700] ND-QRP up again...  
Message-ID: <Pine.OSF.3.91.970418114407.21972D-100000@prairie.nodak.edu>

Hi all,

Well, after getting my antenna broken in several sections from a bad ice storm last week, and ducking record flood levels, I've gotten back on the air.

It's really interesting standing in front of my apartment with a padlock and a length of fishing line trying not to look suspicious or stupid.

So...I'm going to be up on 30 and 40 on Sunday. I plan to hang out around 7.030 - 7.045 and 10.100 - 10.120, propagation permitting. I should be there by 11 am Central, and will play the band by ear.

I made my first contact on 30 last night...right back into Los Angeles county. I've got some sort of pipeline into Los Angeles. Haven't had any luck due west or east of me.

Anyway, hope to work some of you. Oh, and have pity on someone who's been hanging out on 2 meters for far too long. The code...she's still not so good. I tend to lose those who think that because I'm sending at around 13 wpm I can read 20 wpm. I'm working on my speed, but I tend to miss a lot when I get burned.

73/72 de KG0WE/QRP ND

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: "Len W. Tough" <len@infinet.com>  
Subject: [17731] NEW MRX-40 KITS ARE SHIPPING EARLY!!!!!!  
Message-ID: <199704182201.SAA09182@mail1.infinet.com>

Howdy all!

In about 1 hour I am headed over to K8IDN's QTH to pack and ship the =  
first of the kits from the Columbus QRP Club. The boards are in =  
(K8IDN informs me they look great!), and all the parts are ready to =  
go! Wow, AHEAD OF SCHEDULE. NO SNAGS. UNBELIEVABLE!

One more time for late commers to this kit project - we are talking =  
about a miniature 40m receiver kit, size matching the micronaut =  
transmitter. WHO KNOWS! Perhaps CQrp will have a matching =  
transmitter out soon.....??? We'll wait and see.

Here are the details of the MRX-40 (mini receiver for 40 meters) =  
direct from the CQrp web site.

New Kit! CQrp Mrx-40  
Mini 40 Meter Receiver

#### The Overview

CQrp is VERY pleased to announce our first kit effort. We call it the =  
CQrp Mrx-40. It was originally designed with the Micronaut =  
transmitter in mind. The thought was to make a companion receiver to =  
the Micronaut. This was accomplished, but in the process, we were =  
able to come up with a very nice receiver for many applications.

The receiver is very small. The board measures 1 inch wide by 2 =  
inches long. Once populated, the board may be stuffed into an =  
enclosure with a height of 1 inch as well. This gives the builder an =  
EXCELLENT chance to build a very small receiver with acceptional =  
receive capabilities.

With a little ingenuity, the builder can place this little receiver =  
in a tiny case, and take it backpacking, hiking, traveling, or to =  
field day events. The rig may also make a great first kit for =  
somebody who is new to kitbuilding. Oh, by the way, if you do have =  
the Micronaut, here is your matching receiver!

Novice crystals (7112 kc) should be available from Norcal (Doug =  
Hendricks) at 3.00 each post paid. Using these crystals, the novice =  
operator can modify this kit for novice band segment operation.  
This kit is simple, elegant, and easy to assemble. Not to mention - =  
SMALL!

A Taste of what makes it Tick

OK, what makes it work? The little rig is a design by Steve =  
Bornstein, K8IDN. Steve has made use of an NE 612 mixer oscillator =  
and LM 380 to produce a simple sideband CW receiver that will fit on =  
a small board. Tuning is accomplished through rubbering the crystal =  
VX0 with a varicap. This gives the operator a tuning range of =  
approximately 2 to 3 Kc around 7040. Many operators will be very =  
impressed with the audio that is delivered by this little rig.

#### Kit Profile

Kit Name: CQrp Mrx-40

Description: Mini Receiver for 40 meters (centering around 7040)

Kit Price: \$18.00 delivered continental US - Please add \$5.00 for =  
overseas postage.

Kit Includes: Quality board (etched, silkscreened, and masked), all =  
parts to populate the board, pots/jacks for connection, assembly =  
manual, parts list, and schematic.

Tuning: VX0 - 2 to 3 kc around 7040

#### Ordering Information

To order this kit, send \$18.00 per kit delivered continental US - \$23 =  
for overseas shipments (check or money order) to:

Steve Bornstein K8IDN  
475 East North Broadway  
Columbus, Ohio 43214

Questions for the designer? Please email Steve (K8IDN) directly at: =  
saborns@aol.com

CQrp and it's members provide the CQrp Mrx-40 kit as a service to =  
it's members and to the amateur radio community. CQrp and it's =  
members assume no liability for the use or misuse that may result in =  
injury or damage from the purchase or assembly of this kit. CQrp an =  
it's members have no interest in and do not accept funds or gifts =  
from any amateur radio companies. CQrp is a NON PROFIT organization.  
=A91997- CQrp

Best 73

Len

W8VQ

len@infinet.com

w8vq@key.com

=

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QRP-L # 841            CQrp # 2            ARCI # 9025            FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor

CW Ops Include: BUG, Straight Key, and Iambic

CHARTER MEMBER - THE COLUMBUS QRP CLUB - \*CQrp\*

Web Page: <http://www.infinet.com/~len>

QRP Homebrew Rigs =3D OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,  
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter, Ten Tec 20m

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Larry East <w1hue@amsat.org>

Subject: [17682] No Code, etc...

Message-ID: <2.2.16.19970418150416.3027b636@eloi>

No code, more code, less code, etc. etc. ...

I realize this issue is important to the future of Amateur Radio as we know it, but geezz folks, you are preaching to the choir!! Guess it's time to put the list back on "postpone" for awhile...

72, L.

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Bob Hirsch <bobh@p3.net>

Subject: [17733] OHR 400 and DD1

Message-ID: <3.0.1.32.19970418180751.006bdc64@p3.net>

I'm just about ready to order an OHR400 and DD1. Any pitfalls or things I should know about before the money goes away?

All good or bad comments appreciated.

TNX

=====

73 de Bob, W3CW  
New Hope Pennsylvania

qr-l #450  
qrp-arci #8700  
fists #2491

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Dale Anderson <dalea@artemis.fc.hp.com>  
Subject: [17721] OHR-100 Mods...  
Message-ID: <9704182037.AA04089@artemis.fc.hp.com>

Hi Everyone,

Not one to leave well enough alone, I've already made a couple of mods to my just-completed OHR-100. I didn't care for the ahhh "sensitivity" of the tuning control (maybe I drink too much caffeine?), so I replaced the tuning pot with a 10-turn, 100k pot. MUCH nicer! It's like having a vernier controlled VFO. This of course made the tuning dial markings on the cabinet useless, but I had planned for that. I ordered an AADE digital display thru Marshall (Milestone Technologies) the same day I ordered this rig. I cut a rectangular hole in the cabinet, then installed and adjusted the display to show the operating frequency. Now the rig is almost the way I want it. SILKY smooth tuning and built-in digital frequency display! Next will be to remount the whole works in a more "trail friendly" cabinet. 'til then, I'm looking forward to my first field operation of '97. I'll post pictures of the rig, once I get my WEB page up and running.

72,

-Dale, KB0VCC  
Fort Collins, CO  
QRP-L #91 / CQC #251 / ARS #234

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: k3as@dol.net (Bill Marsh)  
Subject: [17695] Patcomm PC-16000  
Message-ID: <v01540b01af7d4c92c8c6@[204.183.91.97]>

Does anybody own one, used or seen one? What can you tell me about it?  
Thanks, 73.... Bill K3AS

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "rohre" <rohre@arlut.utexas.edu>  
Subject: [17649] Power Meters for QRP: Ten Tec  
Message-ID: <n1350812049.46939@msmailgw1.arlut.utexas.edu>

A question was raised about Power Meters--  
In addition to the fine OHR Power Meter kit, and the Bird Power Meter which is pretty pricey and bulky, (but a fine item to own at home!)-

A great value in a power meter for QRP is the Ten Tec 1202 kit Power and SWR meter. It has the added advantage of having two power ranges, and two different pickup circuits to enable use on QRO or QRP rigs, and on HF or VHF up to 6 and 2M with accuracy, and a relative indication on 440 MHz. Maximum power rating is 200 watts.

All this in a \$49 kit. AND, there is more you can do with it. It can be turned into a 2 Watt full scale power meter on one range, in only the time it takes to take off the well made steel case, and turn one pot with a jewelers screwdriver. It is small, and back-packable, but heavy enough that RG 8 feedlines would not tip over the case.

See the back issues of QRP ARCI Quarterly for my review of this kit Last Year, Oct. 1996, page 27. T -Kit a division of Ten Tec can be reached at (615) 453-7172 for information, or for orders only: 1-800-833-7373

No connection with Ten Tec, except a satisfied user.  
72, Stuart K5KVH  
rohre@arlut.utexas.edu

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997

From: "JOEL DENISON" <jdenison@morelr.com>  
Subject: [17697] qrp++ experment  
Message-ID: <19970418113059.1f0b3e28.in@master>

Greetings fellow qrp guys and gals.

I need some help (but you guessed that already, right) and you are the ones that can help. Having gone back to the calm side or reasoning, I had a thought! (yes I am capable of that)

After reading the qst evaluation of the qrp++ and the article on xmtr modification in april qrp quarterly, I became concerned about the spurs that seemed down not quite enough. For reasons I won't go into I can not do the xmtr mod nor do I know of anyone who wants to do it for me. SO, I have been trying to think of some way I could add to the reduction of spurs. I really don't won't to get rid of the qrp++ is has too many good things going for it.

SO I thought, What about my ant tuner? Shouldn't it help get the spurs down even farther. So here is my request for help.

Does anyone have a tuner, qrp rig, (nice if it was a qrp++, but not necessary I think) and a spectrum analyzer? IF so, could and would you look at the signal at the output of the xmtr and ant side of the tuner and see how much attenuation is added to the spurs by the tuner? I always have the tuner on the back side or the xmtr so if the tuner is knocking down the spurs a few db then I would feel comfortable on the high freqs with my rig.

Should be an interesting experment, and I guess we all would like to hear how it comes out.

Can anyone help on this?

God Bless

Joel

God Bless

Joel

WA5CVM

Joel Denison

start)

81 High street

Farmington, Maine 04938

jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - high

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Peter\_Simpson@3com.com

Subject: [17677] QRPTTF: The Forces of Darkness are Gathering!

Message-ID: <8525647D.004BB396.00@hqoutbound.ops.3com.com>



Peter Simpson@3COM  
04/18/97 05:47 AM

Patrick Taber, KC1TD and I will be attempting to resist abduction by said forces near the site of 300 years of alien abductions. We'll be operating from a bluff overlooking the Merrimack River in Canterbury, NH, just upstream from where, in March 1697, Hannah Duston slew her Indian abductors in their sleep and made her escape. In more recent times, Canterbury is near where Betty and Barney Hill recovered their senses after having been abducted by a UFO near Woodstock, NH.

We'll be running CW only, since we hear that it repells the forces of darkness,  
and we'll be on 40 and 20 near the usual QRP-L watering holes of 7040 and 14060.  
Work us before we get abducted, and we'll send you a QSL! And even if we do get abducted, we may be able to escape :-)

Peter, KA1AXY

#### WWW references:

Hannah's story: <http://www.epix.net/~goudswrd/pattee.html#han>  
<http://www.netplus.com/users/locke/hannah.htm>

Betty and Barney Hill:  
<http://www.spiritweb.org/Spirit/ufo-guide.html#Hill-Abduct>  
<http://marix.in2p3.fr/HillMap/hill.html>  
Fuller, \_The Interrupted Journey\_, Dial Press, 1966

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [17698] Recommended Trees for Ant. Support  
Message-ID: <3.0.1.32.19970418093156.006c9a00@telis.org>

My suggestion is similar to Ron Stark's but since I am a biology teacher, it would go something like this.

Plant 2 sections of *Towerus rohnus* in each corner of your lot. The preparation of the ground for planting is somewhat different than for normal trees. Dig a hole that will be filled with a special "growing and holding" medium, Calcium Carbonate, Silicon, Water, and Ferrous material (concrete with iron reinforcement). The special holding medium will make sure that your *Towerus rohnus* will stand up straight and tall for years to come. I also understand that there are other species that may work, including *Towerus u.s.*, *Towerus homebrewus* and *Towerus telephonepoleus*. Good luck and have fun!

With tongue in cheek, Doug, KI6DS

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17643] recommended values for inverted L random wire tuner.  
Message-ID: <Pine.BSF.3.95.970417210932.5065B-100000@uhf.wdc.net>

Hi Gang:

Question to the antenna tuner builders among you.

I am redesigning my HF antenna system and will be putting up a 130' end fed random wire (fed against good earth ground).

I am trying to design a small inverted L antenna tuner (10W max) to match this antenna. What should I be looking for in terms of capacitor range and inductor range to be able to match on 80/30/20 meters? All I have in my junkbox are these 50 pF variable caps and 40 uH coils.

My guess is I'd have to use at least a 300 pF variable cap and a 10 uH range coil? Have any of you tried slug tuned tuners (vs. tapped air coils?)

Bernie

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: timcook@erinet.com  
Subject: [17727] Rig Wanted!!  
Message-ID: <3357E8FF.231@erinet.com>

Sold my OHR-400/DD-1, and am sorry now....

would like to buy another ohr-400/dd-1 combo, or a sierra/kc2 combo  
please email direct if you have something to offer  
Thanks  
Tim

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: tahrens1@juno.com  
Subject: [17647] Test Equipment Pricing  
Message-ID: <19970417.190142.4895.3.tahrens1@juno.com>

Hi Folks - I'm cleaning out the shack, and heading  
to a hamfest on Saturday. I'd like to know what  
some of you test equipment gurus think that these  
two items are realistically worth.

HP 182A Scope with 1804A 4-channel plug in. Reasonable  
shape - I get 4 traces when I turn it on. It's been under  
the bench for a couple of years. I also have manuals on  
this one.

TEK TM504 Frame with DM502 (with temp probe)

Thanks!

Tim W5FN

I'd offer the scope here, cuz I know you guys are  
looking for one, but I really wouldn't want to ship  
this old of a scope. If the tube went out, you might  
as well pitch the whole thing! Tnx

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Genevieve A. Winkler" <GDWinkler@compuserve.com>  
Subject: [17648] Thump Thoughts - Part 4 (long)  
Message-ID: <199704172144\_MC2-147E-271A@compuserve.com>

#### THUMP THOUGHTS - PART 4

##### THE FOURTH CAUSE - POWER REGULATION

Several people (Glen Leinweber, Stan Wilson) have pointed out to me that another contributor to "Mr. T" might be the 7808 voltage regulator.

We all knew about the noise from the 7808, thanks to Glen's post of 2/12/97, and Mark's "frying chicken" post (gaponoff, 3/30/97), wherein he had to replace his 7808 to get rid of the sizzle in his receiver. Glen had an ingenious fix for the problem. He moved the ground reference end of C38 up to the +8v supply (turned C38 around, of course). His post is a Must-Read.

##### BACK TO THE LAB - THE 7808

I breadboarded up the 7808 with the C39, C40 and C41 filter caps. I put a 440 ohm load on the output to simulate the receive drain of about 18ma (NE602s @ 3ma each, NE5532 @ 8ma, TR switch [D1, D2] at nearly 4ma). I used a 2N2222 to switch in or out a 100 ohm load to simulate the load of the 74HC240 when transmitting. The 2N2222 was driven by my function generator. Scope was hooked up to function generator and to the regulated +8 volt output of the 7808. Oh yeah, the 12volt supply is from a 25AH gell cell. Now THAT's a "stiff" power supply!

My 7808 is pretty quiet. I think there is some noise there, but it is at or below 1 mv.

On "key-up", I measure a +15mv transient, which decays to baseline with a T 1/2 of 50us (it is +7.5 @ 50us, +4 @ 100us, etc.). This transient has a 2mv "bobble" on it, initially, that has a frequency of about 250kHz. This little oscillation is controlled by the input impedance seen by the 7808. I raised the input capacitance to 0.33uf and the "bobble" smoothed out considerably and decreased in frequency to about 100kHz. The supply might be stiff, but the inductance of the leads and the 0.05 ohms resistance of my DVOM (@20A setting)

"unstiffened" it a little.

This 15mv T/R transient is applied to every part on the board, including U1, U3, and U5.

#### T / R TRANSIENTS ON THE + 8 V LINE

OK, let's look at these one by one. My Signetics manual gives no figures for power supply noise rejection by the NE602, but we really don't need it. The schematic of the NE602s "innards" is readily available (try the Handbook, or QRP Classics), and I urge you to take a look. The output comes off a 1.5k resistor which goes to V+.

Now an audio thump originating in U1 has to go through X2, which has a parallel capacitance of only 3pf. I modeled this part of the circuit. It looks like any audio thumps are going to be 100db down after the crystal filter C9/X3/C10. So U1 is probably not a contributor.

U3, however, is \*meant\* to pass on audio. And it looks to me like any audio noise is going to be passed on in its output, since it is only being used in its single-ended configuration (if the balanced output configuration were being used, then power supply transients would cancel). So power supply transients on U3 could be major contributors to "Mr. T." That 18mv transient on pin 8 of U3 is NOT going to be altered by C44, the relatively puny (0.1uf) bypass cap for U3, since the power supply impedance is VERY low (the power supply already has a 220uf cap on it!). We need to fix U3's power supply, or run it balanced. Or both. I think.

How about U5? My Signetics manual says the NE5532 has a power supply rejection ratio of 100uv/V, but I suspect that only applies with a balanced input. The schematic shows a typical op-amp input with a differential amplifier. It looks JUST like one half of an NE602. In the unbalanced input configuration, supply variations should appear on the output. Right?

#### BACK TO THE LAB - NE5532 NOISE REJECTION

I breadboarded the entire NE5532 audio section, and powered it with the previously breadboarded 7808 power supply with its added T/R simulator (the switched 100 ohm load). Hmmm, something wrong here. NO THUMP. Well, gain of amp is 30 db lower than model predicts... Ah, C34 is 0.01uf instead of 0.001uf. Changed it, and voltage gain

becomes about 600 (9db less than the 1700 my model predicted, but...). OK, we are in the ballpark. Turn the T/R simulator on... NO THUMP. Well, if I cheat and run the switching frequency up to 500Hz, I can hear the feedthrough, but that 15mv spike on the power supply line causes NO thump at lower T/R switching frequencies. Remarkable. I even coupled the audio input directly to the power line using a 0.22uf cap. Big TICK (not a thump- the audio amp does not oscillate long enough to slur this "tick" into a "thump") With a 180pf direct coupling of power supply to audio input I get a little tick. OK, the magic of the differential amplifier eludes me, because that must be where this noise rejection is coming from. And perhaps the NE602 is similarly quiet, for the same reason. I am bothered by this- I don't understand... Go to bed.

### U3 REVISITED

A new sunny day dawns (unusual in Seattle). I have the day off. I'm hungry, and want to go to my favorite breakfast place, but the lab beckons. All night long I thought and dreamt about the differential amplifier configuration. There is simply no way I can imagine that it could reject power supply noise when it is used as a single-ended amplifier.

I breadboard up U3, the NE602, less the transmit offset circuitry, and coupled it to U5 on my breadboard. The white noise in the earphones increases noticeably. Turn on the function generator. WOW! So THAT is "Mr. T". 400mv (p-p) transient, falling exponentially over 6 cycles (ringing at 570 Hz) to near baseline. Gotcha!

(I am still puzzled about the superb performance of the 5532, however. There must be some power supply noise cancellation circuitry which is not shown on the schematic in my Signetics manual. I am relieved that I haven't misunderstood the differential amplifier.)

### FIX

First fix, a simple R decoupling circuit: 220 ohm resistor in series with +8v supply to NE602 (pin 8), and 22uf cap from pin 8 of NE602 to ground. This lowers the thump to an acceptable 40mv initial peak-to-peak transient. It is a gentlemanly little tick, a "mr. t".

A better fix is an NPN transistor configured as a virtual inductor. Aw, it's simpler than it sounds. Collector to +8v.

10k resistor from collector to base. 1uf (+/- tenfold) cap from base to ground. Emitter supplies +V to pin 8 of NE602. I hooked it up (using 1.5uf cap). Absolute silence. \*NO\* THUMP. A/B comparison also shows that earphone noise level is \*much\* less with this mod. Perhaps my 7808 is noisier than I thought.

ARE WE DONE YET?

No. Sorry. I told you there were multiple components to "Mr. T", which is one reason I don't call him "THE thump."

There remains the problem I discussed in Part 2. I hooked up the transmit offset circuit for U3, the NE602. I used another 2N2222, driven from the function generator, to switch the diode to ground.

THE BIGGEST \*T\* OF ALL

YEOUCH! So THAT'S what everyone has been complaining about: THREE VOLTS peak-to-peak across the earphones, and the 5532 going into current limiting. No wonder the back-to-back diodes helped (they don't conduct until you get 0.6 volts across 'em)(see Steve Miller, 2/17/97).

So Dave Fifield (3/18/97) is the winner, IMHO, of the "find the thump contest." All the effects I've mentioned cause a thump, but the U3 T/R switching at the crystal is the worst offender.

Here are some hints on taming the beast. First, I tried using a lower voltage on D6, deriving it's anode voltage from a 1.6v source produced by the drop across an LED. You would think this would decrease the thump by 7 times (1 volt change at D6 instead of 7), but it produced no change at all.

Glen Leinweber had suggested that C18, which RF grounds pin 2 of U3, is much larger than it needs to be, and may be slowing U3's recovery. He measured U3's bias and found it was altered in the transmit state. So I changed C18 from 0.1uf (about 0.13 ohms @ 12 MHz) to 0.001uf (13 ohms @ 12 MHz). It made NO difference to "Mr. T". I tried 180 pf, also with no change. Sorry Glen. Good shot, but missed. Incidentally, that was why I had you buy a 0.001uf mylar cap last time- I was SURE this would make a difference! Sorry folks. Into the junque baulks.

In the process of swapping C18 around, I discovered that

with NO C18, the thump almost disappeared. Hmmm. I tried 180pf across pins 1 & 2, the RF inputs of the NE602. No thump. I tried the secondary (77uh) of a tiny torroidal transformer destined for the 40-niner (which I still haven't finished). Some thump, but minimal. I think I was getting some capacitive coupling into the transformer from my sloppy layout, because changing the position of the transformer altered the thump volume quite a bit.

So the NE602 likes a balanced input (we knew that already, didn't we!) We could cure this part of "Mr. T" either by balancing the input, or the output, or (preferably) both. A wideband rf transformer at the input to the NE602 would help diminish the thump considerably. You need a transformer with about 15000 ohms impedance (5 times the balanced input impedance of the NE602). That would be about 200uh, but self-resonant effects are going to require a lower inductance. We need self-resonance near 17MHz (halfway between 12 and 22- remember, U3 gets that 22.1MHz signal during transmit.) It should be about 1:1 in turns, I should think.

#### FIXING THE U3 T/R TRANSIENT

The fix runs something like this: Make the transformer. You need two windings of about 20 turns each on an FT23-43 core (I picked a small core so's it would fit; use the table in the Handbook to help you design your own transformer on a larger core. I am guessing at the value.) You'll need small wire- I think 28g will work if you don't mind some overlap (will cause more stray C and imbalance... Experimentation required.). Remove C18 and the lower end of C17 (nearest C18). The secondary of this transformer goes from the lower hole for C17 to the upper hole for C18; they are about 1/8" apart and kitty-corner from each other. The primary winding goes from the free end of C17 to C18's bottom hole (ground).

With my transformer (77uh) across pins 1 and 2, I still have thump, but it is a tolerable 300 mv p-p on key-up, and 700 mv on key-down. I don't know why there's such a difference. I don't know why key-down transients never bothered anyone.

Note that with this U3 input transformer the brave experimenter can now fool with the termination impedance of the crystal filter. Matter of fact, you might try getting rid of R6, and reducing the primary turns about 70 %. Or more. Play a little. One might get a little better performance from that lonely singleton crystal in the filter.



I have not done the above fix on a real 38S. My board is still stark naked. Your mileage...etc. Remember that there are several causes of "Mr. T", and you need to get 'em all.

Stay tuned for part 5.

Happy Thump-unting and 72,

Dan Winkler N7IVR Seattle, WA  
< GDWinkler@compuserve.com >

7808 Note. Just for the heck of it, I decided to see how bad the dynamic regulation would be without C40, the 220uf cap on the output of the 7808. I was rewarded with a piercing scream of decreasing frequency. I don't know if it was coming from the 7808 itself, or the ceramic (piezoelectric) cap, C41 (0.1uf). I HOPE it was the latter. The scope showed violent oscillations, but before I could do anything the 7808 went into thermal shut-down. It remained too hot to touch for several minutes. It worked FINE after this; it is built to protect itself from such abuse. But the moral is clear. Although the specs say that 0.1uf is needed on the output of one of these regulators to prevent oscillation, in practice it may take more than that!

NE5532 Note. At one point I thought I had fried the 5532 by plugging it in with the power applied. I hadn't; a testimony to the ruggedness of these parts. But in the meantime I substituted an LM358 dual op-amp, an older (and cheaper) design which draws less current. It tended to oscillate and showed considerable cross-over distortion. I tamed it by running a resistor (220 ohms) to ground from the output (pin 1), as suggested in the National Semiconductor application notes. At lower frequencies there was harmonic distortion (I think the filter was trying to ring). The low frequency distortion remained after the 220 ohm to ground fix, and there was distortion caused by current limiting in the 358 at output levels above 800mv (which is frankly a \*painful\* listening volume, anyway!) I could detect NO difference in noise, although that is the 5532's claim to fame (quiet). While the LM358 will work in this application, the 5532 is probably a better choice. Now I'm gonna have to look up the LMC662CN part mentioned by AE6C in QRP Power (see post by Swanson 2/12/97).

Dan

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
Subject: [17678] T0-18 PIN-OUT HELP

Gang:

I'm building the neat little 80m W1AW receiver from  
May's QST. Looks like a fun circuit.

Does anyone have the lead diagrams for a T0-18  
transistor case?

Think this is correct: (sorry for the crude drawing)

```
      b-*  
    e-*  *-c  
tab-+
```

TIA for the info.

73 de Dave NR3E/5  
nr Dallas, TX  
qrp-1 #25, ARRL  
WIMPS: Qs=023 30m=021 17m=02 12m=00 States=020/02/00  
DX=02/00/00

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: kb0rol@juno.com (Bradley L Mugleston)  
Subject: [17655] Trees  
Message-ID: <19970417.190924.7727.0.kb0rol@juno.com>

Gang,

I need to plan some trees (This is Colorado, we have no natural trees).  
I figure that If I planted them in the 4 corners of my lot (abt 100 X 50  
feet) I could get a 300 foot loop out of the deal in a few years. Any  
of you know what kind of trees I should get? They should be able to  
withstand snow and little moisture during the summer. I'd like them to  
grow nice and straight and TALL, as quick as possible.

de KBOROL, Brad

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
Subject: [17685] Trees, loops,...  
Message-ID: <19970418151714.AAA12775@LOCALNAME>

>Gang,

[illegible]

- \* ASPEN: grows very fast and tall if planted in good, protected locations; Plant 3 or 4, let them compete to grow hi/straight, then cull.

Both are strong enuff, can be trimmed/pruned for convenience. In the mean time, the recommended quickie wood towers in the ARRL Hbk may suffice. Good Luck... Let us know what you decide. 72, =s=

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ  
ARCI#9253; QRP-L #574  
NEORP#511; ARRL; OCWA

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Barry Keating <Barry.P.Keating.1@nd.edu>  
Subject: [17694] Vibroplex Brass Racer EK-1 Battery Information  
Message-ID: <v03007801af7d4a31e1b2@[129.74.87.62]>

If you use a Vibroplex Brass Racer EK-1 (the model with the built-in keyer) you may find this information of use:

The battery recommended by Vibroplex is a 7.5 volt battery which costs \$10.95 locally at the Batteries Plus outlet. I called Vibroplex and asked if I could use a different voltage for the EK-1 and they indicated that anything between 5 volts and 15 volts would work just fine.

I noticed a Duracell alkaline battery advertised recently for \$1.50 that is a 12 volt battery with ALMOST the same outer dimensions as the Vibroplex-recommended battery. I purchased the Duracell and ...

It works perfectly! Just wrap a couple of layers of tape around the battery to make it "fatter" and slip it into the EK-1; it will fit nicely because it is the same length but just a bit slimmer. Been using it for two weeks and it works just fine.

The battery is the MN-21 listed in the homepages of All Electronics:

<http://www.ocean-usa.com/allcorp/index.html>

The battery page with the MN-21 for \$1.50 is:

<http://www.ocean-usa.com/allcorp/BATTERY03.html>

Barry Keating  
WD4MSM

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Jess Gypin <jessqrp@concentric.net>  
Subject: [17656] Web page minor adds  
Message-ID: <3356E0E1.1967@concentric.net>

Hi all,

I have added a couple of things to the web page. I have done some new

art work for a QSL card and put the original drawing of the Rock Loop  
QRP loop antenna on there.

<http://www.concentric.net/~jessqrp>

Take a look and let me know what you think of the QSL before I print  
them.

Best

Jess N0TFI

<http://www.concentric.net/~jessqrp>

n0tfi@qsl.net

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Mike Robinson <miker@gecko.nsc.com>

Subject: [17723] Where'd Ken go?

Message-ID: <199704182107.0AA08657@gecko.nsc.com>

Last week Ken was selling some stuff. Including an FT50R.

My email address changed just as I was responding to Ken.

Do you still have the FT50R?

Would you like to trade for an OHR400?

=====

|                                                |                                                                         |          |
|------------------------------------------------|-------------------------------------------------------------------------|----------|
| NCARC Superfest, Saturday, May 31              |                                                                         |          |
| Larimer County Fairgrounds, Loveland, Colorado |                                                                         |          |
| =====                                          |                                                                         |          |
| 73 Michael N7MR                                | <a href="http://www.frii.com/~michael">http://www.frii.com/~michael</a> |          |
| Michael.Robinson@nsc.com                       | michael@frii.com                                                        |          |
| QRP-L #126                                     | Norcal #857                                                             | CQC #180 |
| =====                                          |                                                                         |          |

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Wa2eaw@aol.com

Subject: [17644] Re: code/no code, my \$.02

Message-ID: <970417211450\_312928562@emout12.mail.aol.com>

Kevin:

Very personel but....

I must put in my \$0.02 worth also;

A few years ago I had throat surgery. I could not speak. BUT I was able to  
get on the "air" and with CW I was able to "talk" for a few days until I got  
my speach back.

CW made life more tolerable for the XYL and myself.( At about 10 WPM.) My \$0.02 says that anything you can learn is worth while. I've been there and done it. Unless you have experienced it dont spout off on what its like. Hey, you never know when you will need "something" so any thing you have knowledge of is valuble. How valuble is not realized until you NEED it.I speak from experience.  
de WA2EAW...Bob

P.S. CA is a" wondrous " experience. Been there twice and the XYL has been there three ( 3 ) times. Just putting this on the screen is beautiful. Chemo is for the birds but it is a fact of life.

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Peter Gerba <pgerba@crl.com>  
Subject: [17681] Re: code/no code, my \$.02  
Message-ID: <Pine.SUN.3.91.970418074235.23021A-100000@crl9.crl.com>

Local story:

At the University of California Med Center here in San Francisco...

In older fellow who had been in rest homes etc. was in the hospital for a number of reasons. One of his problems was that he couldn't speak. He happened to have been a radio Op in WW II or .... any how, his Doc was a Ham..they were able to converse by banging spoons on a table..

pete, kn6bi

Peter Gerba  
pgerba@crl.com

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "J. Skalski" <jskalski@acsu.buffalo.edu>  
Subject: [17687] Re: code/no code, my \$.02  
Message-ID: <Pine.GS0.3.95.970418112631.6474E-100000@conciliator.acsu.buffalo.edu>

I can just picture it now ...a bunch of qrp'ers in a nursing home sitting around a table with plastic (qrp) spoons tapping away :-)

73,

Jim N2GO

The Buffalo QRP CONNECTION  
ARCI #9013 QRP-L #381  
Life member ARRL  
jskalski@acsu.Buffalo.EDU

On Fri, 18 Apr 1997, Peter Gerba wrote:

> Local story:  
>  
> At the University of California Med Center here in San Francisco...  
>  
> In older fellow who had been in rest homes etc. was in the hospital for a  
> number of reasons. One of his problems was that he couldn't speak. He  
> happened to have been a radio Op in WW II or .... any how, his Doc was a  
> Ham..they were able to converse by banging spoons on a table..  
>  
> pete, kn6bi  
>  
> Peter Gerba  
> pgerba@crl.com  
>  
>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [17692] Re: code/no code, my \$.02  
Message-ID: <Pine.LNX.3.93.970418105237.1127A-1000000@dns.vidtel.com>

On Fri, 18 Apr 1997, J. Skalski wrote:

> I can just picture it now ...a bunch of qrp'ers in a nursing home  
> sitting around a table with plastic (qrp) spoons tapping away :-)

And those who are shunned for going QRO by using a ladle, hi.

|                                         |  |                                                                         |
|-----------------------------------------|--|-------------------------------------------------------------------------|
| -- Chris Cartwright, Technical Engineer |  | ccart@vidtel.com                                                        |
| -- Phone 301.990.0735 N3XRV QRP-L #655  |  | ccart@erols.com                                                         |
| -- QRP WAS 13/5 (w/c) QRP-ARCI #9271    |  | <a href="http://dns.vidtel.com/~ccart">http://dns.vidtel.com/~ccart</a> |

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Douglas L. Datwyler" <datwyler@mail.aros.net>

Subject: [17637] Re: code/no-code  
Message-ID: <3356BCEC.133F@mail.aros.net>

I am with those who would like this continued off list.

Thanks

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Mike Rhodes" <weightdn@mail.bright.net>  
Subject: [17650] Re: Compare paddles, please...  
Message-ID: <199704180203.WAA21685@mail.bright.net>

Marty,

I would stay away from the MFJ paddles. Unless they have changed over the last few years, the finger pieces are too light - they flex and just don't feel right. Also, at least on the unit that myself and WB8QLA bought to donate to the local club, the workmanship is just not quite up to snuff. It is definitely not in the same league with the Bencher and if we were doing it again we would have put in another 10 bux apiece and got the real thing. Not sure about the other brands although have used the Vibroplex non-iambic and it is very nice. Also kind of like the Nye paddles but not really sure why. If the Envirotech(sp?) paddles are the ones by the W9, I may have a set of them some day - they always get good reports and the 'look' fascinates me. Good luck in your quest.

73 de Mike / W8DN  
weightdn@bright.net  
Celina, OH  
EN70rm

-----  
> From: Marty Watt <mdwatt@usit.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Compare paddles, please...  
> Date: Thursday, April 17, 1997 12:56 AM  
>  
> I have a set of Bencher (BY-1) paddles. They are old, clean, but  
> very used. The mechanical aspects are getting sloppy, and the  
> paddles themselves are slightly loose on the rivets (enough to be  
> really annoying).  
>  
> I saw a Vibroplex Brass Racer, and (for the minute and a half I got  
> to play with it) enjoyed the magnetic action. I do have  
> reservations as to how much I'd enjoy it over time ...  
>  
> These are the only two in my price range, and I'd appreciate



> guidance on how people feel about them. I can't afford a Jones  
> Key, or much less a Schurr ...  
>  
> I was at the Tupelo (Mississippi, home of Elvis and his ghost --  
> QTTF site?) hamfest and saw the newly released MFJ paddles. They  
> are Bencher clones, except the center piece is square instead of  
> round. Anybody else used them? In a pinch, and for the money (list  
> at \$46), I'll probably go with the MFJ should the Brass Racer get  
> some negative comments from the experienced CW ops of the group.  
>  
> Thanks for your input!  
>  
>  
> 72 es 73 de  
> Marty, KM7W  
>  
> -----  
> Jackson, Tennessee e-mail: mdwatt@usit.net  
> http://www.public.usit.net/mdwatt  
> "The Curmudgeon's Corner"  
> NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
> ~~~~~  
>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: DYARNES@aol.com  
Subject: [17662] Re: Compare paddles, please...  
Message-ID: <970418000852\_85078008@emout10.mail.aol.com>

Marty,

My advice.....spend another \$50 bucks (about \$100 total) and get a V2L from WBL design. Twice as much as the MFJ you mention, but ten times as good in my view. Also, better than a Schurr (which I have) by quite a bit.

72 de David W7AQK

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17663] Re: Compare paddles, please...  
Message-ID: <Pine.BSF.3.95.970418001534.5538A-100000@uhf.wdc.net>

>  
> My advice.....spend another \$50 bucks (about \$100 total) and get a V2L from  
> WBL design. Twice as much as the MFJ you mention, but ten times as good in

> my view. Also, better than a Schurr (which I have) by quite a bit.  
>  
> 72 de David W7AQK  
>

FYI: I have a MFJ-422B integrated paddles/keyer that I haven't used for 7 years and didn't even remember I had. Bought it new for around \$140 and haven't used it much (I used to be heavy into CW during high school, but ever since I attended college I have done very little and preferred straight key over paddles).

Not sure what a fair price would be (haven't bought anything from MFJ in a very long time). Make me offer if you don't want the Schurr instead.

73

Bernie n1ls

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
Subject: [17709] RE: Contest logging software  
Message-ID: <52641.owen@piper.eeel.nist.gov>

In message Fri, 18 Apr 1997 13:32:40 -0400,  
Stew Whitehouse <STEW\_W@compuserve.com> writes:

> Hi folks,  
> I think I have decided to purchase a real Contest logger.  
I would like to hear from the QRP-Lers the pros and cons of  
> these two programs for use in the various QRP contests.  
>

> Thanks and 72 Stew ke4yh  
> Dunedin, Florida  
>

I have used NA for years--mainly on the 10m contest--and couldn't do without it. CT is very similar and seem to be preferred by the big DX'ers but I still like NA the best. Anything through version 9., I think, will work with a 286 and DOS and the older versions are available as freeware on some sites.  
72/73 Jim K4CGY qrp-l#72

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [17672] Re: Envirotronics Paddles

Message-ID: <199704181240.IAA110248@nss2.CC.Lehigh.EDU>

I was led to believe that he \*may\* be on the outs, but an email I received last night said that his business answering machine picked up when called.

As far as spending \$50 more than the MFJ to get the WBL paddles, my \$0.02 is to look at the Envirotronics that are the SAME price as the MFJ. If these paddles are going to be used strictly for home use, well OK, the WBLs are the way to go. If they will be used like mine, your only set, for both home and /P, check out the Enviros.

Good luck with either..... or BOTH!

72, Mark N2VPK

Member of the Buffalo QRP Connection

WIMPS(30M only): Qs=008 States=04 DXCC=04

> >Many wanted the address for Envirotronics. They are nice paddles for the  
> >money and I hope that Gene is still in business.

> >

> >Envirotronic Inc.

> >526 Silver Lake Road

> >St. Paul, MN 55112

> >Phone/fax 612-633-8551

> >

> I have the 502B (larger one) and like it so much I put the Kent on the  
> shelf as a backup. I think if more people knew about Gene's products they  
> wouldn't be buying Benchers! hi I was pleasantly surprised when I  
received

> mine, and it exceeded my expectations. Do you have some reason to think  
he's

> \*not\* in business? I sure hope he is.

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997

From: n4js@amsat.org

Subject: [17683] Re: Envirotronics Paddles

Message-ID: <XFMail.970418110922.n4js@amsat.org>

> >Envirotronic Inc.

>> >526 Silver Lake Road

>> >St. Paul, MN 55112

>> >Phone/fax 612-633-8551

>> >

>

I just tried the above number. There was no answer (11:10 EDT).

Sent at 11:09:22 on 18-Apr-97

```
- - - - - John L. Sielke n4js@amsat.org n4js@pobox.com  
| \ | | | _ | / ____ |  
| . ` ||_ _|| || \|__\ |  
|_| \_| |_| \|___/ |____/  
NE-QRP #507 G-QRP #9544 NorCal QCWA FISTS #2781  
WIMPS Os=010 30m=10 17m=0 12m=0 States=02/00/00 Countries=08/00/00
```

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: wylde@nccn.net (Grover Cleveland)  
Subject: [17689] Re: Envirotronics Paddles  
Message-ID: <v02130500af7d5420b139@[205.139.74.160]>

At 11:08 AM 4/18/97, n4js@amsat.org wrote:

```
>> >Envirotronic Inc.  
>>> >526 Silver Lake Road  
>>> >St. Paul, MN 55112  
>>> >Phone/fax 612-633-8551  
>>> >  
>>  
>  
>I just tried the above num  
>
```

You have to be patient. But it is well worth the wait - the paddles are very nice. I think that they are the best value out there.

Grover  
K7TP

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Niel Skousen <nskousen@scientechnology.com>  
Subject: [17720] Re: Frivolous Postings  
Message-ID: <2.2.32.19970418203106.006d68a0@eaglerock.if.scientechnology.com>

**\*\*THANKS\*\*** Tom, I needed that today...

```
> Besides, I got a few badly needed belly laughs out of it !
>
>> Q:  How many internet mail list subscribers does it take
```

>> to change a light bulb?

>>

>> A: 1,331:

>>

>Tom Moll, NoBS

>

>

>

-----  
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG      nskousen@scientech.com  
208.525.3742, FAX 529.4721 Idaho Falls ID      WA7SSA QRP-L.119  
Z-----DN33wm--- . . . -

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [17734] Re: Frivolous Postings  
Message-ID: <199704182210.PAA14642@usr07.primenet.com>

Howdy All,

Tom (N0BS) wrote:

>

> I hope this hasn't already been posted here. <...> I also hope that  
> it is not too frivolous itself to post <...>

Bwahahahahahahaha!!! I think it was \*very\* appropriate. Darn  
near coughed a soda out my nose while I read it. Eww.

Think it should be made part of the welcome message when you  
subscribe to QRP-L... :-)

Back to the data mines. One day I'll get home and catch up on  
QSL requests, I promise.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

Trapped in the Dilbert Zone...

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Roger Hightower <n7kt@dancris.com>

Subject: [17638] Re: FS: NC40A, HW-9, 49'er, etc.  
Message-ID: <3356BCE6.35A3@dancris.com>

The 49'er is sold.

73...Roger

--

72/73 de Roger N7KT     n7kt@dancris.com     Mesa, AZ     Grid DM43cj  
NorCal 1099   CoQRP 176   QRP-L 62   G-QRP 9081   ARCI 8946   NE-QRP 383

From owner-qrp-1@lehigh.edu   Fri Apr 18 18:04:06 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [17646] Re: FS: NC40A, HW-9, 49'er, etc.  
Message-ID: <3356CE8B.5D2E@dancris.com>

The Cascade has been spoken for.

73...Roger, N7KT

--

72/73 de Roger N7KT     n7kt@dancris.com     Mesa, AZ     Grid DM43cj  
NorCal 1099   CoQRP 176   QRP-L 62   G-QRP 9081   ARCI 8946   NE-QRP 383

From owner-qrp-1@lehigh.edu   Fri Apr 18 18:04:06 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [17707] Re: FS: NC40A, HW-9, 49'er, etc.  
Message-ID: <3357BB51.64B4@dancris.com>

The NorCal 40A has been spoken for.

73...Roger, N7KT

--

72/73 de Roger N7KT     n7kt@dancris.com     Mesa, AZ     Grid DM43cj  
NorCal 1099   CoQRP 176   QRP-L 62   G-QRP 9081   ARCI 8946   NE-QRP 383

From owner-qrp-1@lehigh.edu   Fri Apr 18 18:04:06 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [17714] Re: HARLEYS, MENSA, DRIP PANS, ETC, ETC, ETC, ETC, ETC, ETC, ETC, ETC, . . .  
Message-ID: <Roam.SIMC.2.0.4.861391008.32705.myers@bigboy>

> From: Brad Bradfield     QLF

>

> Subj: HARLEYS, MENSA, DRIP PANS, ETC, ETC, ETC, ETC, ETC, ETC, ETC, . .  
> . . . .  
>  
> Dana Myers wrote:  
>  
> >Vic Rosenthal wrote:  
>  
> >> Cecil A Moore wrote:  
>  
> >> <snip>  
>  
> >> > I suggest that potential hams be required to <snip>  
> >> > own a Harley <snip> and be a member  
> >> > of Mensa.  
>  
> >> Do I sense an oxymoron here?  
>  
> >I don't think so. However, I'd probably say that owning a Harley isn't  
> >enough - the Harley must actually start.  
>  
> >;-)  
>  
> >Dana  
>  
> But does the Harley have to still have it's factory original drip pan?

Harley stopped shipping the drip pans in 1985 after the Evolution motors proved to be relatively oil-tight. They continued to be offered as options for those interested in the authentic look; some enthusiasts I know would save oil when making an oil change and dribble some of the used oil into the pan for realism.

Yeah, I know, this isn't QRP related, but at least it isn't code-war flaming ;-)

Dana K6JQ  
Dana@Source.Net

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: n2beg@juno.com (Douglas E. Stewart)  
Subject: [17738] Re: Lightning  
Message-ID: <19970418.183754.3854.0.n2beg@juno.com>

Another Tesla coil fan maybe?? The Teslathon I attended a few years back at a local expert tesla nut featured 15 FOOT arcs between his "twin" coils fed with 480v thru a pole peg to a rotary spark gap. Transmission

line was 1/2" copper pipe. Got it on tape, people who see it think we are insane, which is probably true...  
73z, Doug, N2BEG qrp-1 # 850, etc...

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Marsh, Douglas" <marshd@uf9515p01.ColumbusOH.ncr.com>  
Subject: [17641] RE: NEW KIT STATUS REPORT  
Message-ID: <3356C5CA@uf9512ub.CincinnatiOH.ncr.com>

Brian;

CQrp is the Columbus (Ohio) QRP club. We are based in SURPRISE!  
Columbus, Ohio. Steve Bornstein K8IDN, one of the founding members, designed a little receiver and put kits together for the club to sell. Anyone is welcome to join (in any QTH). We had a contest earlier this year, and Len Touth put a QRP beacon on the air for Easter weekend, another is planned for Memorial Day weekend.

We're pretty informal and have monthly meetings (followed by a lunch get together) in the Columbus area. Len or Steve can give you join-up instructions if you're interested.

72 + 1 de N8TUT Doug

(Work)

NCR

955 Eastwind Dr

Westerville, OH 43081-3392

(Home)

2804 Greenwich St.

Columbus, OH 43224-4317

(614) 267-7602 Home

(614) 899-3244 Office

(614) 899-3333 Fax

(614) 784-8858 Voice Mail

(800) 258-0000 Pager PIN: 288-7634

E-Mail: Douglas.Marsh@ColumbusOH.NCR.com

AX.25 Packet: N8TUT@W8CQK.#CMH.OH.USA.NOAM

The following binary file has been uuencoded to ensure successful transmission. Use UUDECODE to extract.



begin 600 WINMAIL.DAT

M>)\^(C8`0:0"``\$`!!!!!!`\$`0>0!@`(```Y`0`!!!!!!`#H`\$`(@`<`  
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M<G`M;``````(!"S`!````%@````%--5%`Z45)0+4Q`3\$5(24=(+D5\$50`````,`  
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M```%````4TU44``````>`,`P`0``!<``!B:71B=6-K971`<`)I;65N970N  
M8V]M```#`!4`,`0`````,`\_@&`````@`!`,`\$````\*````8FET8G5C:V5T````  
M`@\$+`,`\$````<````4TU44#I"251"54-+151`4%))345.150N0T]-```,`#D`  
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M````"?\\`0```%,````&"49&!!N`\$(``"LKBBDD``&`>70!D`!H`-``?  
M````%``!3=&5V92!";W)N<W1E:6X`<V%B;W)N<T!F<F5E;F5T+F-0;'5M8G5S  
M+F]H+G5S````>``(P`0```4``!33510````!X`S`!````P````-A8F]R  
M;G-`9G)E96YE="YC;VQU;6)U<RY0:"YU<P```P`5#`\$````#`/X/!@``!X`  
M`3`!````\$````%-T979E(\$)0<FYS=&5I;@`""0LP`0``"0``!33510.E-!  
M0D]23E-`1E)%14Y%5"Y#3TQ534)54RY/2"Y54P`#``Y````L`0#H!``  
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M``````!@E&1@0;@!""`K\*XHI``!@`ET`9``:``#```P``!0`4&AI;"!#  
M87)T97(`<&-A<G1E<D!F<F5E;F5T+F-0;'5M8G5S+F]H+G5S````>``(P`0``  
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M;6)U<RY0:"YU<P```P`5#`\$````#`/X/!@``!X`3`!````#````%!H:6P@  
M0V%R=&5R``(!"S`!````)````%--5%`Z4\$-!4E1%4D!&4D5%3D54+D-/3%5-  
M0E53+D](+E53```,`#D````"P!`.@\$````"?8/`0````0``4#``  
M```,`#`5````"P`/#@````"?\\`0```\$P````&"49&!!N`\$(``"LK  
MBBDD``&`>70!D`!H`,`0`;````%``!-:6ME(\$AA;G-G96X`,`3`R-S8R+C\$S,3%`  
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M`!X`3`!````#0```\$UI:V4@2&%N<V=E;@`""0LP`0``"0``!33510  
M.C\$P,C<V,BXQ,S\$Q0\$-/35!54T525D4N0T]-```,`#D````"P!`.@\$````"  
M`?8/`0````0``5#`````,`#`6````"P`/#@````"?\\`0```\$8`  
M````&"49&!!N`\$(``"LKBBDD``&`>70!D`!H`,`0`5````%``!+87EE(\$AA  
M<G1M86X`:VQH87)T;6%N0&QU8V5N="YC;VT````>``(P`0```4``!33510  
M````!X`S`!````%0``&ML:&%R=&UA;D!L=6-E;G0N8V]M`````,`%0P!  
M````P#^#P8````>``\$P`0````T``!+87EE(\$AA<G1M86X````@`\$+`,`\$`  
M````:````4TU44#I+3\$A!4E1-04Y`3%5#14Y4+D-/30`````,`#D````"P!`

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M'0` \$H &"49&!!N\$( "LKBB'D '>70!D'H'- '6` '% !-  
M87)T:6X@2&%R='=E;&P ` ;65H0&-B<VUS,2YL=6-E;G0N8V]M` '@'," '\$  
M` %` 4TU44 > ,P`0` !8` !M96A`8V)S;7,Q+FQU8V5N="YC  
M;VT` #`!4, 0 , \_@&` @!, \$` 0` 36%R=&EN(\$AA<G1W  
M96QL` (!"S!` &P` %- -5% Z345(0\$-"4TU3,2Y,54-%3E0N0T)-` #  
M` Y` L`0#H!` @`V#P\$` \$` %PP` #` P&` L`  
M#PX` @`\_#P\$` !0` !@E&1@0;@!" K\*XHI` !@'ET'9` :  
M`#(' @` !0`17)I8R!-8T9A9&1E;@!W;6-F861D94!O=6-S86-E+F-S+F]H  
M:6]U+F5D=0`>` (P`0` 4` !33510` !X` S!` '@` '=M8V9A  
M9&1E0&]U8W-A8V4N8W,N;VAI;W4N961U` P`5#` \$` #` /X/@` !X`  
M`3!` #@` \$5R:6,@36-&861D96X` " OLP`0` ",` !33510.E=-  
M0T9!1\$1%0\$]50U-!0T4N0U,N3TA)3U4N1415` #` Y` L`0#H!  
M`@`V#P\$` \$` &P` #` P&0` L`#PX` @`\_#P\$` !\$  
M` !@E&1@0;@!" K\*XHI` !@'ET'9` :` #` %` !0`0V%R;`!9  
M869F97D`8WEA9F9E>4!S<' )Y;F5T+F-0;0`>` (P`0` 4` !33510`  
M`!X` S!` %` &-Y869F97E<W!R>6YE="YC;VT` P`5#` \$` #` /X/  
M!@` !X`3!` #` \$-A<FP@66%F9F5Y` (!"S!` &0` %- -5% Z  
MOUE!1D9%64!34%)93D54+D-/30` #` Y` L`0#H!` @`V#P\$`  
M` \$` &OP` #` P&@` L`#PX` @`\_#P\$` !)  
M` !@E&1@0;@!" K\*XHI` !@'ET'9` :` "T` !0`5&]M(\$-A;6T`8VM  
M;4!09&%N="YA9W)I+G-T871E+F]H+G5S` !X` C!` !0` %- -5%`  
M` @`#, \$` <` 8VM;4!09&%N="YA9W)I+G-T871E+F]H+G5S` ,  
M%OP!` P#^#P8` >` \$P`0` D` !4;VT@0V%M;0` " OLP`0`  
M"\$` !33510.D-!34U`3T1!3E0N04=22Y35\$%412Y/2"Y54P` #` Y  
M` L`0#H!` @`V#P\$` \$` &@P` #` P&P` L`#PX`  
M` @`\_#P\$` !` !@E&1@0;@!" K\*XHI` !@'ET'9` :` #4`  
M\$@` !0`5VTN(" !4<FEG9R!486)O<@!T<FEG9T!I;F9I;F5T+F-0;0` '@`"  
M,\$` %` 4TU44 > ,P`0` !(` !T<FEG9T!I;F9I;F5T+F-0  
M;0` , %OP!` P#^#P8` >` \$P`0` !\$` !7;2X@(%1R:6=G(%1A  
M8F]R` (!"S!` %P` %- -5% Z5%))1T=`24Y&24Y%5"Y#3TT` ,  
M`#D` "P!`.@\$` " ?8/0 0 ;#` , #` <` "P`/  
M#f@` " ?\ /0` \$0` &"49&!!N\$( "LKBB'D '>70!D'H'  
M,@`2` %` !9;V1E<BP@2FEM(\$4N`&IY;V1E<D!L=6-E;G0N8V]M`!X`C!  
M` !0` %- -5% @`#, \$` 2` :GE09&5R0&QU8V5N="YC;VT`  
M` #`!4, 0 , \_@&` @!, \$` .` 66]D97(L(\$II;2!%+@`  
M`(!"S!` %P` %- -5% Z2EE/1\$520\$Q50T5.5"Y#3TT` , #D`  
M"P!`.@\$` " ?8/0 0 <#` , #` =` "P`/#@` "  
M`? \ /0` \$\$` &"49&!!N\$( "LKBB'D '>70!D'H',0`0`  
M%`!,96X@5RX@5&]U=&@` ;&5N0&EN9FEN970N8V]M` !X`C!` !0`  
M`%- -5% @`#, \$` 0` ;&5N0&EN9FEN970N8V]M` , %OP!  
M`P#^#P8` >` \$P`0` T` !,96X@5RX@5&]U=&@` @#+, \$` 5  
M` 4TU44#I,14Y`24Y&24Y%5"Y#3TT` P` .0` +` \$`Z`0` (!  
M]@!\` !` !T,` P` ,!X` +` \` (!\_P!\` 5@`  
M` 8)1D8\$&X`0@`\*RN\*\*0`8!Y=`&0`&@!` '\` 4`\$)R:6%N(\$-A  
M<FQI;F<@\*%)A9&EO(\$<S6\$Q1("\$\@048T2RD`8G)Y0&UN<VEN8RYC;VT`>  
M`(P`0` 4` !33510` !X` S!` #P` &)R>4!M;G-I;F,N8V]M  
M` #`!4, 0 , @&` @!, \$` C` 0G)I86X@0V%R;&EN9R`

M4F%D:6\@1S-83%\$@+R!!1C1+\*0``@\$,`\$``4``4TU44#I"4EE`34Y3  
M24Y#f+D-/30`#`Y``L`0#H!``@`V#P\$``\$``JZG`0.0  
M!@#X!``\$@``L`P`!``P`F`\$``+`"D`0``,`+@``P`V  
M````!``#D`X\*`7MX]+0`\$>``0``!H``!213H@3D57(\$M)5"!35\$%4  
M55,@4D503U)4````@%Q`\$``6````;Q+C[?05R87/[==\$="(\$1%4U0`  
M````P`&\$-;\$D@T#`<0X`(`!X`"!`!``90``\$)224%..T-14E!)4U1(  
M14-/3%5-0E53\*\$](24\I45)00TQ50E=%05)%0D%3141)3E-54E!225-%0T],  
M54U"55,L3TA)3U-4159%0D]23E-414E.2SA)1\$XL3TY%3T942\$5&3U4````  
M`@\$)\$`\$``"@`P`G`,`"H%`!`6D9U/`!UF?`\"@\$/'A4"I'/D!>L"@P!0  
M\$P-4`@!C:`K`<V5T[C(&``;#`H,R`\8`\$P\*#`C,\$1@(`<`)Q,2!W"%4`L@\*`  
M?0J`",\ )V30Q%L\R-34"@`J!#;\$+8.!N9S\$P,Q0@"PH4(9AS,3@6,`!`(\$(`  
M(1QN.PJ&`9\$5\$%R<,(@!``@=&AE%1\$\*0`4&T`4\$("A/:&EO@"D@45)0(&,\*  
M0`!B+B!7`7`\*P!UP8IIA\$?!D`1`#H%-5`J`@4DE312\$=ARP@0QXR`Q!3=&5V  
M`7!"#P6P(`AX"!2SA)1,Y.(5`"(!UP;V8=0P(OR`5N9`N`9R`'@`;0;P20  
M(4\$-L`"09R-0`^!A:"!L:0)`;!UP%M!CGR\*0(@`%P`!P`^!P=05`YFLET!TQ  
M;V<2`!U@!<!?'A`%P!U2`M(G@2`1\&QB;! \006YY(T=(7=/\*3`%H`>`\*.)J  
M;R`!\*(L@`0!P>1Z`5\$@I`Q.\_\$<`E@6@`C`'D`5`90K`[R7`%7\$=4!TA>2T1  
M(5`FPO),"?`@5`A@`5`F\R6@[QZ2)+``T`(@("Q'4,+<#TH!\$4?L""@!<`J  
M(&5K=0GP9"XB;R?3`2\$+46X[])6(H(DTDD`6P!S\$@1+YA\*X`QI1\0`!H?,"<?  
M<?L4T!(`="N`"X`H(0#`R"? )L(1P"(!!&`,`&AL\*X"\_!X`2`"1!`@\$"\$E`  
M;RH@01\_@8BN`):\$D\$!&P(">QWR>`'G`@`1U;'V%A`Q`N@NL%L2`48P.19R9Q  
M+=` (8!DJPRUU`0\$B87)U8\_X8`(@!``&D#VB->(+@#%A.RS1"8`N"H4\*A0``  
M("L.(!4`#;`'L#A4552[-``(8&=`G!J,'A!7!;!\$:RD\*A4Y#4@J%.<\9\$#C  
M`\_`FT41R"H4?;!TQ4G8#f\$"8` (5%((#0@,S`X,2T:\$#DR&4"<\*\$@J8436,C@P  
M^#0@1PG2`\_`YX2`00(:`(-E(\$A!,C(T+4A01#f\$W2/TV,30><#f+`-C<M-S8P  
M\$B!)XG%.\*S@Y.4B@34!\*\$T\$?#=#!+4\$^\_2\*\$:\$"!&81)X3BLW.\$U0.#@U041@  
M5BK@)E`%T`MP;\$EF;4JP,\$[15\$`M5:!5H`` ,4&\$GL`7`4\$E..B=\*D58`3S`S  
M-\$`<12W-5-(Z0G(+8',N5-`1X\*QH0!V62``N15\$N\*E&Q"H5!6"X9`%9A8S'0  
M1G17`\$(30%<X`-!+,"XC0TU:8%I155/B05IP3T%-0)P\*A17Q`@!`?D`,`\$!``  
M````P`1\$````!``<P0.>,E(]+0`%``@P0.>,E(]+0`\$>`#T``0````4`  
4``!213H@``````,`#33]-P``]%A+

end

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Bernie Doehner <bad@uhf.wireless.net>  
Subject: [17737] Re: NEW MRX-40 KITS ARE SHIPPING EARLY!!!!!!  
Message-ID: <Pine.BSF.3.95.970418182942.9065L-100000@uhf.wdc.net>

Is there a web page describing their kits? Anyone know about plans for 30  
meter versions?

73/72

Bernie nu1s

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: w2gum1@juno.com (anthony J Colaguori)  
Subject: [17688] Re: No Code, etc...  
Message-ID: <19970418.103731.8183.7.w2gum1@juno.com>

On Fri, 18 Apr 1997 09:04:16 -0600 Larry East <w1hue@amsat.org> writes:  
>No code, more code, less code, etc. etc. ...

>  
>I realize this issue is important to the future of Amateur Radio as we  
>know  
>it, but geezz folks, you are preaching to the choir!! Guess it's time  
>to put  
>the list back on "postpone" for awhile...

>  
>72, L.  
>  
>  
>----- AMEN  
-----

CW FOREVER

TONY W2GUM.

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Dale LeDoux <dledoux@laci.net>  
Subject: [17642] re: open line lightning protection  
Message-ID: <3.0.1.16.19970417081227.3dd7ff40@laci.net>

At 11:26 4/17/97 -0700, you wrote:

>  
>I have often wondered how much voltage it takes to jump how big  
>a gap??  
>  
>And, in this day and age of solid state front ends, how much voltage  
>does it take to harm the rig??  
>  
>I guess my question really is.....Will spark pluge really protect the  
>solid state rigs??  
>  
>cul,

>  
>73, Ron,       SOWP 5545M,  
>  
Ron--

>From my 'real' job, servicing high voltage power equipment (where 15,000 volts is considered MEDIUM voltage) field tech's rule of thumb for the breakdown voltage of an air gap is a thousand volts per mil -- 1000 vdc for a 0.001 inch gap. Of course, a lot depends on the physical shape of the electrodes on either side of the gap. Sharp pointed electrodes will break down a lower voltage because of localized electrical stress.

As you can see, the .030 gap common to a lot of spark plugs will allow a heck of a lot of voltage to build before it breaks the gap. Of course, after the gap breaks over, the voltage will drop to a very low value, depending on the ability of the source to provide current. By this time, though, it would be too late for your rig.

A quick look at a lightning strike on an antenna protected by spark plugs and still attached to your rig, in view of Ohm's Law: Lightning strike nearby induces a voltage of several KV in your antenna. This rising value of voltage hits your rig and the spark plug almost simultaneously. Although the rapidly-rising wavefront of the voltage surge acts like an RF wave, our antenna feedlines and radios are built to pass this. While the voltage rises to breakdown level on your spark plug, it has already perforated the semiconductors in your radio. When the gap finally breaks down and the arc resistance of the spark plug makes it the low impedance path, it prevents catastrophic failure (meltdown) of the radio, but the damage is already done.

My opinion: Solidly ground the antenna when not in use. Do not depend on any device to protect your rig when a thunderstorm is in the area.

72--

Dale LeDoux - KD5QI  
Bath Electrical Systems  
Power Systems 480V to 230KV

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997  
From: "Claton Cadmus" <aplitech@Spacestar.Net>  
Subject: [17674] Re: open line lightning protection  
Message-ID: <199704181302.IAA13057@Spacestar.Net>

OK, I can't stand it any longer. Monte "Ron" Stark wrote:

: I guess my question really is.....Will spark pluge really protect the  
: solid state rigs??

Methinks Ron already knows the answer. Stop looking for the spark plugs right now, they will only provide you with a false sense of protection. The idea with the spark gaps was to limit the static build up to a couple thousand volts. A tube rig "might" not be damaged by this voltage, solid state-FRIED! The only protection is to disconnect your feedline from your rig. Use a DPDT knife switch or relay outside wired to disconnect the feedline from the Rig and ground it and always turn it off when not in use. Even still a direct hit can still damage the Rig. Lightening is completely unpredictable, and may jump the switch gap as well. Disconnecting the feedline at the rig in addition to the switch or relay is probably a very good idea.

Hope this Helps,

----

73 de KA0GKC Claton Cadmus

E-mail cla@spacestar.net

If you live in Minnesota check out this webpage!

<http://www.spacestar.net/users/aplitech/mnqrp/>

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: launerb@crl.com (William H. Launer)

Subject: [17684] Re: open line lightning protection

Message-ID: <v01530501af7d409072e2@[192.0.2.1]>

No relay, switch, or other device will safely protect your gear from a lightning strike (open wire or coaxial feeder). The ONLY way to protect it is to disconnect the feedline and put it well away from the equipment!

72/73 Bill wb0cld

Bill Launer

St. Charles, MO

launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]

qrp-l #279            qrp arco #3551

Grid Square EM48RT

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>  
Subject: [17715] RE: Patcomm PC-16000  
Message-ID: <B986573301462936@mhsgate.meth-mem.org>

Hi Bill. I've worked several and laid hands on but did not operate another one. The guys seemed well pleased with their rigs and volunteered that they would purchase new again. I briefly thought about buying one but couldn't find one of the used market. Bought an Index labs instead, hi hi. I don't know anything about their qrp-ability. I remember that one fellow commented on how nicely the rig copied cw but I have no first hand experience..... CUL de Mike, KR4IT

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [17657] Re: Power Meters for QRP: Ten Tec (UPDATE)  
Message-ID: <3357e19a.97295658@smtp.usit.net>

On 17 Apr 1997 20:53:26 -0600, "rohre" <rohre@arlut.utexas.edu>  
wrote:

>See the back issues of QRP ARCI Quarterly for my review of this kit Last=  
Year,  
> Oct. 1996, page 27. T -Kit a division of Ten Tec can be reached at =  
(615)  
>453-7172 for information, or for orders only: 1-800-833-7373

The area code for East Tennessee changed about a year back -- it's  
now area code 423.

=46YI ...

72 es 73 de=20  
Marty, KM7W

---

Jackson, Tennessee e-mail: mdwatt@usit.net  
<http://www.public.usit.net/mdwatt>  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997

From: Stan <stan@cruzio.com>
Subject: [17705] Re: qrp++ experment
Message-ID: <3357B4D7.324E@cruzio.com>

JOEL DENISON wrote:

> After reading the qst evaluation of the qrp++ and the article on
> xmtr modification in april qrp quarterly, I became concerned about the
> spurs that seemed down not quite enough.
> SO I thought, What about my ant tuner? Shouldn't it help get the
> spurs down even farther. So here is my request for help.
> Does anyone have a tuner, qrp rig, (nice if it was a qrp++, but not
> necessary I think) and a spectrum analyzer? IF so, could and would you look
> at the signal at the output of the xmtr and ant side of the tuner and see
> how much attenuation is added to the spurs by the tuner?
> Should be an interesting experment, and I guess we all would like to
> hear how it comes out.

> Joel

Hi Joel, Since I have messed around frequently with the output filters on my qrp stuff, I found a "poor man" way to observe the harmonics and "known" spurs.

Eric, Wa6hhq has given me this idea.

I am lucky in that I have access to a spectrum analyzer, but I can't bring it home and I can't run over to where the s/a is after every time I dink with the circuit.

I use my main rig (any general coverage rx'r will work) to monitor the offending signal , note the s-meter reading, and use that as a baseline.

Be carefull to also note the position of your antenna as the s-meter reading will change if you have rotated your antenna between measurements.

You won't get an "lab quality " analysis, but you will get a fairly accurate measurement of the delta, provided you either have an attuator or know how your s-meter is calibrated. (My Icom 751A goes 3.25 db per unit contrary to the 6 db most people think the s-meter goes., you could estimate this without an attenuator by deceasing to 1/2 power or so.

Stan , N6XU

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
From: Larry East <w1hue@amsat.org>

Subject: [17728] RE: qrp++ experment
Message-ID: <2.2.16.19970418214021.3027390e@eloi>

> After reading the qst evaluation of the qrp++ and the article on
>xmtr modification in april qrp quarterly, I became concerned about the
>spurs that seemed down not quite enough. For reasons I won't go into I can
>not do the xmtr mod nor do I know of anyone who wants to do it for me. SO, I
>have been trying to think of some way I could add to the reduction of spurs.
>I really don't won't to get rid of the qrp++ is has too many good things
>going for it.

>
All spurs from the QRP++, except the second harmonics from 30M, 15M and possibly 12M, are at least 40dB below the carrier level. (This is **not** the case with an unmodified QRP+.) The second harmonics from the above mentioned bands are down about 30dB -- legal in the US if you keep the power at 5W or below. The harmonics in question can be reduced at least another 10dB (15dB in some cases) by installing new output filters for the affected bands, as described in my April QRP Quarterly article. This is not a particular difficult mod and you should be able to find someone locally do it for you.

As for an antenna tuner reducing spurs: Yes, you will probably get some reduction, particularly if you use a "pi" tuner which is effectively a low pass filter. (A "T" configuration tuner usually acts as a high-pass filter, or at best, a very broad bandpass filter.) Using a resonant antenna will also help.

72, Larry W1HUE/7

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [17676] Re: Rainbow Tuner
Message-ID: <199704181345.JAA99871@nss2.CC.Lehigh.EDU>

Hi Joe and gang,

A 20M half loop? Do you mean half square? If so, no tuner is needed.

I will be putting up and testing a Bobtail this weekend. Will be trying an old Heath HFT9B, Super simple and HB L-Match to see which is best.

My theory for QRPTTF is this: go long on 20 to nail the NM, AZ, CA, OR crowd. Go short on 40 to nail the guys like you! Therefore, a bobtail on 20 and a full wave delta loop, apex up fed at the center of the lower leg on 40M.

I checked the beam headings for the "long" states and it looks like 270 will be perfect for all of them from WNY. Of course that also puts me at 90 deg. to work African DX if things get slow :-)

Will be working at 950mW this year. See you there.

72, Mark N2VPK
Member of the Buffalo QRP Connection

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: JEVERHART@cayman.vf.mmc.com
Subject: [17680] Re: Rainbow Tuner
Message-ID: <970418101101.20669d39@cayman.vf.mmc.com>

Mark, you wrote, in part:

>Hi Joe and gang,
>
>A 20M half loop? Do you mean half square? If so, no tuner is needed.
>
>I will be putting up and testing a Bobtail this weekend. Will be trying an
>old Heath HFT9B, Super simple and HB L-Match to see which is best.
>
>My theory for QRPTTF is this: go long on 20 to nail the NM, AZ, CA, OR
>crowd. Go short on 40 to nail the guys like you! Therefore, a bobtail on 20
>and a full wave delta loop, apex up fed at the center of the lower leg on
>40M.

Of course you are right. I meant a half-square. And you don't need a tuner for the normal half-square. However I plan to *end-feed* it. This makes it look electrically like a one-wave wire at 20 meters. Feeding is much easier since you don't have to take the feedline away at right angles at the very top of it. The pattern is at right angles at a low radiation angle. And naturally, we too, will aim it West. Alas this discriminates against the N/S East Coast crowd. :-(

Now the same antenna becomes an end-fed half wave on 40 meters! And the center is fairly low (I plan about 20 feet) so it is the desired high-angle radiator for 40 meters. As low as this is, there should be little directionality of 40.

Will look for you in QTTF.

72/73,

Joe E., N2CX

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: Joe Everhart <n2cx@voicenet.com>
Subject: [17645] Re: Rainbow tuner qestions
Message-ID: <199704180124.VAA23109@mail3.voicenet.com>

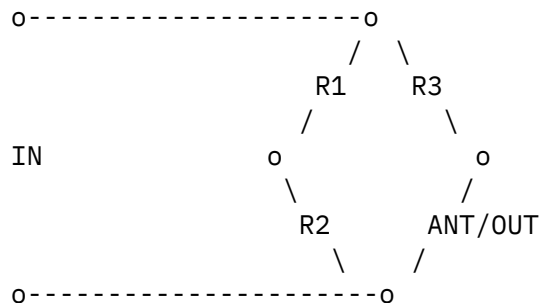
Kory, you wrote:

>Hi Everyone,
>
>I have two questions (I might get flamed for these):
>
>1. What part of the rainbow tuner makes it SWR absorbing? How does it work?
>
>2. How much power can the SWR meter portion of the rainbow tuner handle
>before it gets fried? I would like to build the display in an existing
>tuner that I have, but I would like it to be able to handle 25 to 50
>watts. What component would I need to change to increase the wattage?
>
>Thanks.
>Kory
>AC6RN

Kory,

Hey guy, good questions. No flames from me! Now to answer them...

The part of the Rainbow that absorbs the RF power is the SWR bridge itself. If you redraw the circuit you can see that it actually has the form of a Wheatstone bridge.

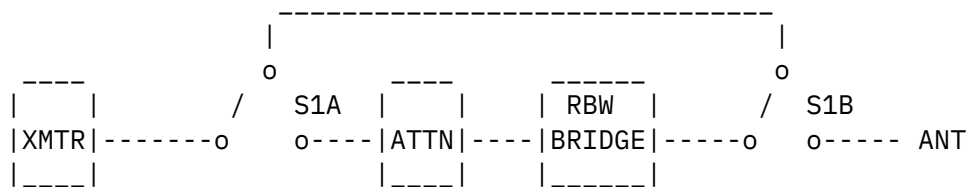


Of course this does not show the diode detectors that sense the forward and reverse samples. At any rate, the resistors form voltage dividers that attenuate the input RF. If the antenna (at ANT/OUT) is exactly 50 ohms, the voltage across it will be exactly half the IN signal

from the transmitter. And, since $P = E^2/R$, the output power is 1/4 the input power or 6 dB lower.

There are several things you can do to increase the power rating of the bridge. In fact they are the subject of an upcoming article for one of the QRP journals! I will briefly list them:

1. You could increase the power rating of R1, R2 and R3. Of course this would be tough to do on the existing pc board.
2. You could use the SWR sensing circuitry with an external SWR bridge like the one that Doug Demaw and others employ. To do this, you could feed the rectified forward and reverse samples to the cathode of D1 and D2, respectively.
3. To use the existing bridge, all you have to do is to reduce the input power to the bridge with an attenuator so that it does not see more than 5 watts. Since you have to switch the Rainbow bridge out of line after adjustment anyway with this method, you simply put the attenuator in series with the Rainbow bridge and switch both in or out of line as in the following figure.



S1A and S1B are ganged so that in the left-hand position they bypass the attenuator and Rainbow bridge while in the right-hand position, the attenuator input connects to the transmitter and the Rainbow bridge output goes to the antenna.

The attenuator can take any of several forms. The simplest is the common Tee or Pi pad as shown in the ARRL Radio Amateur's Handbook and other references. There are other forms of attenuators that are not necessarily exactly impedance-matched to 50 ohms, but are simpler to build. If I ever finish the application article, I will give some examples of both! One thing you have to keep in mind when you build the attenuators is that they should be designed to dissipate the full power output of the transmitter.

P.S. Please note that I did not say anything about the power handling capacity of the tuner portion of the Rainbow. That's another matter entirely!

Joe E., N2CX

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997

From: Larry East <wlhue@amsat.org>

Subject: [17690] Re: specs on mbr7535 diode?

Message-ID: <2.2.16.19970418153228.383f614e@eloi>

>IO(max) = 70 Amps V[RRM] = 35 Volts I[FSM] = 1.5K Amps

>

>V[F](max) = 900mV at I[F](test) of 220 Amps

>

>It's a Schottky Rectifier Diode, D0-203 mount (Stud)....Enjoy!!!

>

Now that's what I call "a real stud"! (Sorry, couldn't resist... :-)

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997

From: Bernie Doehner <bad@uhf.wireless.net>

Subject: [17735] Re: Spread Spectrum

Message-ID: <Pine.BSF.3.95.970418182141.9065H-100000@uhf.wdc.net>

On Thu, 17 Apr 1997, Bob Cutter wrote:

> I think I know what it is but could someone point me to a general

> introduction to the mode.

>

> 72, Bob KI0G

>

1995 ARRL handbook, page 21-12.

Spread Spectrum Systems with Commercial Applications, third edition by Dixon is a deeper book.

Hope that helps.

73

Bernie nuls

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Larry East <wlhue@amsat.org>

Subject: [17691] RE: Thank you

Message-ID: <2.2.16.19970418153228.383f2012@eloi>

>The input from the qrp community is of course very important to us, and
>we

>have read with great interest the comments from your group.

>Please advise us how to subscribe to your list so that we can have more

>direct access to this information and the qrp-l group.

>

Geezzz... If he reads all the mail from this list, he'll never have time to
get the new rig into production!! :-)

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997

From: Bob Hightower <ki7mn@dancris.com>

Subject: [17640] Re: The Forces of Darkness are Gathering

Message-ID: <199704180055.RAA19249@dancris.com>

At 05:44 PM 4/17/97 -0400, you wrote:

> You're ignoring one of the primary reasons that MANY of the "no-code" propone
>nts are pushing to have CW testing eliminated; they want to be able to use
HF spe

>ctrum to help in developing new technologies, but have no interest in
obsolete t

>esting requirements whose *sole reason* for continuing to exist is stagnant
atti

>tudes by hams. A case in point: I'm currently working with a group of

people o
>n developing Linux software that will be used to implement DSP HF modems.

OK, but do they 'have' to do it on the ham bands?

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

WIMPS: QS0's=16 30=16 17=0 12=0 States=13/0/0 DX=0/0/0 QSL's=5

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
From: Rich Mulvey <mulveyr@frontiernet.net>
Subject: [17653] Re: The Forces of Darkness are Gathering
Message-ID: <XFMail.970417221310.mulveyr@frontiernet.net>

-----BEGIN PGP SIGNED MESSAGE-----

On 18-Apr-97 Bob Hightower wrote:

>At 05:44 PM 4/17/97 -0400, you wrote:

>> You're ignoring one of the primary reasons that MANY of the "no-code" propon
e

>>nts are pushing to have CW testing elminated; they want to be able to use
>HF spe

>>ctrum to help in developing new technologies, but have no interest in
>obsolete t

>>esting requirements whose *sole reason* for continuing to exist is stagnant
>atti

>>tudes by hams. A case in point: I'm currently working with a group of
>people o

>>n developing Linux software that will be used to implement DSP HF modems.

>

Where else is a hobbyist going to do it?

- -

Rich Mulvey

mulveyr@frontiernet.net

Rochester, NY USA

<http://www.frontiernet.net/~mulveyr>

Amateur Radio: aa2ys@amsat.org, aa2ys@wb2wxq.#wny.ny.usa

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3a

Charset: noconv

iQB1AwUBM1bYtuyVoBz3nmPRAQFBuQL/e8bQxQm4omAbduuQ5ysiGNTgFEkEI90V
afJPsAdew4M/ZUYHqHr1a9ksvfYvPLKJx96XVQa+PrxSXjujuwX8BpF2Q158nSLz
vrbSML7NSrPKCReLTdDvdImIfDH2gsVM
=ce80

-----END PGP SIGNATURE-----

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [17665] Re: Trees
Message-ID: <Pine.SUN.3.90.970417213331.25699C-100000@vortex>

On Thu, 17 Apr 1997, Bradley L Mugleston wrote:

> I need to plan some trees (This is Colorado, we have no natural trees).
> I figure that If I planted them in the 4 corners of my lot (abt 100 X 50
> feet) I could get a 300 foot loop out of the deal in a few years. Any
> of you know what kind of trees I should get? They should be able to
> withstand snow and little moisture during the summer. I'd like them to
> grow nice and straight and TALL, as quick as possible.

Hi Brad,

I would suggest putting in each corner two sections of Rohn 25, painted
green.....you can make it grow any speed you like.....doesn't take
any water.....loves snow and antennas.....and it's not something
that doesn't belong in CO..... :-)

Good luck,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [17693] Re: Trees
Message-ID: <Pine.A41.3.95b.970418084611.53358A-100000@homer19.u.washington.edu>

I think you would be happy with a Dawn Redwood (Meta Sequoia)
These are a fast and vertical growing deciduous redwood.
Their leaves are tiny so are easily picked up with a lawn mower.
The base of the trunk tends to get bulbous if you neglect to
trim the lower branches. Withstands strong winds, snow, ice,
and wet conditions during the winter, in part because it is deciduous.
The red tinge of its bark and branches make for a striking
image with a background of snow. Was thought to be extinct but
was rediscovered in China some time ago. Plant as large a tree
as you can work with and look for an evenly tapered base. Enjoy!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [17696] Re: Trees
Message-ID: <199704181625.KAA18520@lynx.csn.net>

Hi, Brad--

I'd suggest poplars. Why? I am extremely envious of the guy behind
me who has them in perfect spots for antennas, and they tower about
40' over the ash tree that I have to use as the termination for my
three wire antennas. Also, they grow very quickly, and seem to have
suffered less damage from the big storm a couple falls ago than most
of the other varieties in the neighborhood. Poplars are *supposed*
to require a lot of water, but I don't see my neighbor pouring it
onto them.

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: JFelts4572@aol.com
Subject: [17718] Re: Trees
Message-ID: <970418162703_-734648423@emout08.mail.aol.com>

Gang,

Sorry but I have to do this. What's A Tree?

Jerry -- NR5A -- Box Elder, SD

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [17722] Re: Trees
Message-ID: <Pine.A41.3.95b.970418134144.106142A-100000@homer28.u.washington.edu>

Sorry I have to do THIS, Jerry....it's the thing your town was
named after! :) Is there a town by the name of Excelsior nearby?

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

On Fri, 18 Apr 1997 JFelts4572@aol.com wrote:

> Gang,
> Sorry but I have to do this. What's A Tree?
> Jerry -- NR5A -- Box Elder, SD

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: wb2vuo@juno.com (William K Hibbert)
Subject: [17724] Re: Trees
Message-ID: <19970418.170353.7599.1.wb2vuo@juno.com>

I find, as a rule of thumb, that the faster the ree grows, the less
useful it is. We have, out here in the Swamp, box elders, also known as
"wooden weeds"...

The ones that hd just sprouted when I moved here in 1991 are 15 - 20 feet
high, except for the ones that snapped off in the high winds this winter.

For loops and other antennae, I prefer the portable trees. A single 2 x
6, 20 feet long can be ripped into three 2 x 2's, and bolted together
into a 38 foot "A-Frame" mast. I have one for the 80/40 inverted vees,
and Lou KA2DQA has an identical one about 1 1/2 miles down the road from
me.

Total cost, including the mill fee for ripping the wood, paint, hardware,
etc was \$45 per "A-Frame".

Pre-Manufactured trees, the only way to go :-)

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, KB2YTW/B 10 Mtr QRPp Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
From: torell@sicom.com (Kent Torell)
Subject: [17712] Re: Trees (poplars)
Message-ID: <v02130500af7d67515bb5@[192.91.202.41]>

Marshall Emm replied:

>I'd suggest poplars. Why? they tower about
>40' over the ash tree that I have to use ...they grow very quickly,
>...suffered less damage from the big storm a couple falls ago

I grew up on a farm in central Nebraska. Dad planted 5 poplars to make a quick wind shelter belt. They quickly grew up to 25 ft, eventually made around 35-40, judging by the relative height of the windmill tower. Went through a few tornadoes ok (better than the barn :-(. After 25 years though, they are all dead. I think they have a short lifespan.

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion 6,qrp-l 57,ARCI 9075 DM33xn 33.55 N 112.078 W

From owner-qrp-l@lehigh.edu Fri Apr 18 18:04:06 1997
From: rerobins@unccvm.uncc.edu (Rick Robinson)
Subject: [17719] Re: Unofficial QRP TTF Stuff
Message-ID: <v02130500af7d3cf4ec3b@[152.15.144.13]>

Paul Harden <pharden@aoc.nrao.edu> wrote:

>Well, after wracking my brain for an operating location to go along with
>the QTTF theme, I decided to stay right here in Phoenixville, PA, the home
>of the "Blob."

I certainly can't top "The Home of the Blob". I will be operating from the heated and air conditioned comfort of the doghouse Jim and Tammy Bakker built for their dog at the former PTL Club in Fort Mill, SC, just south of Charlotte.

My special QRP TTF QSL will feature a glossy color photo of Tammy herself operating my TenTec MR-1. To the first 100 QRPers who include \$20, I'll toss in a copy of Tammy's new CD "Jesus Ain't a No-Coder" postpaid in the continental US.

Rick kf4ar

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: KFGlynn@aol.com
Subject: [17704] Re: Unofficial QRP TTF Stuff- NYC Count?
Message-ID: <970418135605_-667561565@emout17.mail.aol.com>

Hi Paul and Gang,

I was wondering... Does NYC count as a mysterious place? (More exactly, Brooklyn, home of Dem Bums).

There have been some pretty weird goings on in my neck of the woods, and was looking for some input.

Tnx

72 Kevin N2T0

From owner-qrp-1@lehigh.edu Fri Apr 18 18:04:06 1997
From: Joe Gervais <vole@primenet.com>
Subject: [17710] Re: Unofficial QRP TTF Stuff- NYC Count?
Message-ID: <199704181842.LAA02579@usr07.primenet.com>

Howdy Folks,

Kevin (N2T0) wrote:

>
> I was wondering... Does NYC count as a mysterious place?
> ...
> There have been some pretty weird goings on in my neck of the woods,

```
> and was looking for some input.
```

I'm tellin' ya, come on out to Arizona. We've got lost gold mines, UFO sightings, A-10's that fly off into oblivion, an indicted governor, and 2 million people who willingly live in a valley that regularly exceeds 110F in the summer.

It just doesn't get any weirder than that. :-)

Not to mention I'm now living in a Dilbert strip. My project is behind because our customer failed to give us the data we needed (it showed up 5 weeks late). Due to heroic efforts on the part of us engineers, we're only two weeks behind - we effectively made up three weeks of the delay. Major deadline next week. We think we can make it, barely, and we're screaming along. So what does management do? In a panic that we may not meet next week's deadline, they order a meeting with all the top brass for Monday, giving us two day's notice. We engineers are to present, in excruciating detail, where we are, what the delays are, how we'll fix them, and how we'll make next week's deadline.

Of course all of us have spent the last two days preparing for the Big Meeting, so no development has occurred. Plus we lose Monday due to the meeting. So we have no chance of meeting the deadline because management called a major meeting to explain how we're going to meet the deadline.

AAAAAIIIIIIIIIIIIIIIIIIII!!! STOP THE WORLD!!! I WANT OFF! Hey, I hear there's a spaceship behind some comet picking up hitchhikers... :-)

Sorry for the rant. I feel better. Thanks.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPsions (Phoenix)

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